

Sand Sampling Production Optimisation

Client:

BP

Location:

Azeri Field, Azerbaijan, Caspian Sea

Equipment:

Sand sampling system

Project Background

In order to optimise platform production, Proserv was awarded a contract to supply a sampling solution to provide gas and liquid samples as well as having the ability to quantify sand production during various production stages.

Solution

Proserv provided BP with a customised solution by modifying an existing sand sampling system design. With BP's objectives being at the forefront, the system was designed to include:

- High gas/oil ratio (GOR) fluid
- Zero atmospheric venting
- Reduced foaming
- Reduced sampling times

Scope

Proserv designed a bespoke sand sampling system that could cope with production conditions whilst providing samples of gas and liquid and measuring the sand produced. The system was built, tested and proven to reduce foaming and offered considerable time savings during sampling operations.

Conclusion

Proserv worked closely with BP to find a simple, cost effective and rapid solution for their specific sampling requirements. The successful delivery of this project will help the client make informed decisions on how they move forward with the production optimisation of the field.

Benefits

- Overall project time reduced
- Safe sampling operation with no gas released into the atmosphere
- Both gas and liquid samples were collected from one skid
- Accurate measurement of sand production allowing optimisation of well flow rates
- Removes the need for full breathing apparatus during sampling operations
- Customised solution suitable for high GOR application based on proven technology

