

Skarv Metering Control System

Client:

AkerBP

Location:

Skarv Oil Field, Norwegian Sea

Equipment:

Metering Control System

Project background

Proserv was awarded the contract to provide an extension to the existing metering control system. The new system interfaced with the test separator instrumentation and the subsea WGFM, facilitating calibration of the WGFM against the test separator flow measurements.

This new system performs metering calculations that were previously done in the existing SAS system, as well as an extension to the system through a PVT package.

Chosen for our reputation

With over 200 metering control systems supplied so far to the industry, Proserv was chosen because of our system's proven quality and reliability. We had previously completed successful projects for this client and so had a reputation for being flexible and easy to work with.

Control system scope

- 3 x VM images
- AVEVA plant SCADA 9duty / standby)
- Krohne Virtual Flow Computer
- CalSep PVT package
- Bespoke Well Database Design and Handling

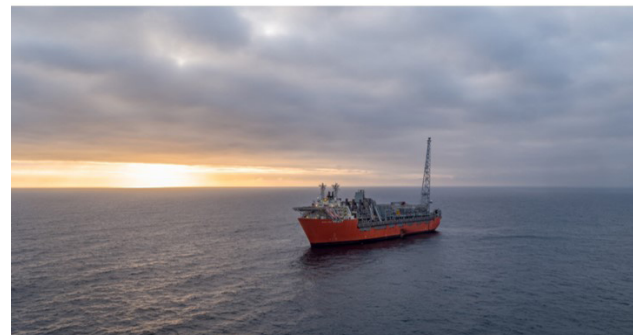
PVT package scope

Integrated Software package providing:

- Simulated test separator mass & volume fractions of each phase
- Simulated gas & oil densities and viscosities
- Simulated mass volume flow rates at standard conditions for oil, gas and water

This scope was carried out by CalSep - a leading provider of PVT simulation services to the oil & gas industry. CalSep has solved PVT modeling projects in all continents.

The projects involve EoS modeling of all types of reservoir fluids, including natural gas, gas condensates, near critical fluids, black oils and heavy oils.



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