

Alpha VSRD Multiphase Flow Meter Provides a Compact Solution for Offshore Well Testing with Savings of \$25,000 Per Month

Objectives

- Install a compact solution for offshore well testing on an existing oil platform that had no onboard test facility.
- Provide an accurate and repeatable flow meter to perform required allocation testing and well performance monitoring.

Our Approach

- Weatherford installed an Alpha VSRD multiphase meter in a leg room of the platform with minimal modification to piping.
- The data from the Alpha VSRD meter and data from the combined flow tank strap onshore were nearly identical.

Value to Client

- The Weatherford Alpha VSRD multiphase flow meter provided the ability to perform allocation testing for state reporting and allowed the client to monitor the performance of new wells brought online.
- Because of its compact size, the flowmeter skid did not interfere with platform operations.
- Installation of the flowmeter skid required minimum modifications to the platform, and the installation cost was lower than for a conventional test separator.
- The Alpha VSRD saves the client US\$25,000 per month by eliminating the need to transport a portable separator to the rig monthly for compliance tests.



The Weatherford Alpha VSRD was installed on a platform in Cook Inlet Alaska to provide allocation measurement.

LOCATION

Alaska, USA

WELL TYPE

Offshore oil producer

NUMBER OF WELLS

5

PRODUCTS/SERVICES

- Alpha VSRD multiphase meter
- Flow measurement services

