

Expro Excellence

SONAR meter assures \$8 million for the customer on a stabilized crude oil trunk line

Well Flow Management | Flow Surveillance



Objectives and background

- The operator had an existing comprehensive inline measurement system which was temporarily out of operation
- Production was coming from offshore to an onshore facility. The customer needed to ensure integrity of pipeline and allocation into the production platform
- The customer also used the data for material balance calculations
- The customer required a measurement solution with no disruption to production and no permanent facility or pipeline modifications
- Expro were approached to provide a non-intrusive solution

Expro Excellence

- Expro's non-intrusive ActiveSONAR meter was selected for production measurement
- Customer had unsuccessfully tried conventional clamp-on ultrasonic meters which did not operate effectively in the oily-water mixture
- A data to desk system was installed and commissioned along with the SONAR meter for the customer to receive live data on their DCS system

Value to the client

- The customer received a non-intrusive solution with no disruption to production throughput 200,000 bbls/d
- Measurements were made on a large diameter 18" line in the oily-water mixture
- Live data was provided to the customer's desktop real-time 24/7
- Secondary production was identified feeding into the bulk line which was previously unknown to the customer

24/7 monitoring



Insight

