



Provision of Automated Ultrasonic (AUT) Inspection on a 10" subsea Pipeline

THE ISSUE

The client had carried out a pigging run on its 10" subsea pipeline in its offshore shallow water field location. They discovered some area of concern located between two field joint with both indications at approximately the 2 O'clock position and 1.43mm apart. Ofserv was contracted to investigate for internal corrosion by conducting an accurate corrosion mapping of the pipe wall thickness in order to locate, quantify and validate the results obtained from the pigging run.

The verification was required prior to going ahead with a clamping operation on the pipeline.

PROJECT SCOPE

Ofserv was Contracted to Provide Automated Ultrasonic (AUT) Inspection on a 10" Subsea Pipeline using Sonomatic Nautilus® scanner.

OUR SOLUTION

A combined team of Expat and local personnel was deployed offshore and a colored graphic imaging data collection was performed using the Nautilus scanner assembly which was diver deployed.

The data is collected using the Nautilus scanner is interpreted as wall thickness values not as colors and can be replayed at different settings of thickness value post collection without loss of information

A comprehensive report covering the approach to the inspection, the equipment and calibrations used, details of the locations inspected, presentation of the inspection results and interpretation of the inspection results was successfully delivered to the client .

Post inspection engineering analysis was also provided to maximize utilization of the inspection data. Specific cost saving integrity management decisions was taken by the client based on the outcome of this inspection.



ExxonMobil

Location

Offshore Akwa -Ibom,
Nigeria

ManHours

720

Facilities

Ubit Platform,
DSV Vinnice

Safety Statistics

Zero LTI

Status

Completed IQ 2019