Offshore Pipeline Inspection
InVista™ In-Line Inspection Technology

Project Overview
Offshore pipelines can be challenging to inspect due to limited launcher/receiver facilities or limited accessibility. Quest Integrity offers a solution for these historically difficult-to-inspect or unpiggable pipelines, and recently inspected a 6" offshore pipeline with no traps using its InVista™ in-line inspection tool.

Case Study
Wellhead to production platform: infield line, 1.5 miles (2.5 km)

Figure 1. A temporary launcher connected at the blind flange

Figure 2. A temporary receiver connected to the flange on the riser section
Results: 99.6% wall thickness data collected
+ Identified actual wall thickness measurement at 10.3mm (records showed 14.3mm)
+ Two external defects located at 41% wall loss
+ Three internal corrosion points - the maximum at 25.9% metal loss
+ Three dents identified - the maximum at 3.2% of pipe OD.

InVista™ In-line Inspection Tool
Overcomes challenges associated with traditionally difficult-to-inspect or unpiggable pipelines
+ No infrastructure modifications were required; geometry and wall thickness data provided in a single run resulting in a cost savings for the operator
+ The lightweight, handheld InVista tool was loaded into and unloaded from a single launch point, resulting in reduced safety concerns and increased operational capabilities
+ Superior navigational capabilities including short radius back-to-back, unbarred off-takes, and pipe schedule changes including heavy wall
+ Bi-directional, low flow/low pressure and industry leading minimized tool passage requirements
+ Fully integrated, API 579 compliant Level 2 Fitness-for-Service (FFS) assessment included

Figure 3. The InVista™ Tool

Figure 4. 99.6% data collection achieved after only two foam cleaning runs

Figure 5. Two external defects identified

Figure 6. Three internal corrosion points identified

Figure 7. Three dents identified

Quest Integrity, a TEAM company, is a global leader in the development and delivery of asset integrity and reliability management services. The company’s integrated solutions consist of technology-enabled, advanced inspection and engineering assessment services and products that help organizations improve operational planning, increase profitability, and reduce operational and safety risks. Quest Integrity is built on a foundation of leading edge science and technology that has innovated and influenced industry best practices since 1971.

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