



## TenarisHydril EasyDock™ connector debut comes with outstanding results

The first running of TenarisHydril EasyDock™ connector was carried out successfully in the Gulf of Mexico, recording zero rejects and zero re-makeups.

### Summary

#### A promising first experience

Located off the coast of Tabasco in Mexico, development offshore wells in the Koban Field feature HPHT profiles and light oil production. Koban 5, one of its wells, is a deviated “J” type with 6,461 Md planned total depth.

Perforaciones Marítimas Latina (PML) was the first company to run TenarisHydril EasyDock™ 70 connector as conductor casing and their decision really paid off. A total of 22 joints were delivered RunReady™, reaching effective depth at 250 md. With Tenaris Field Service specialists on-site support, all connections were made up correctly, with zero rejects and zero re-makeups.

### Challenges

#### Smooth offshore operations

PML was looking for a reliable conductor casing solution for offshore applications that would be robust and easy to run, considering an average pipe weight of 5.5 tons. Operations at the rig needed to be kept to a minimum in order to minimize risks.

#### Field debut

Running TenarisHydril EasyDock™ 70 connector posed a great challenge to all the parties involved. With no previous field records, they needed to fully rely on the crew, on the services provided and, most of all, on the performance of the connector.

### Solutions

#### Partnering from mill to well

Complementing its extensive experience in the manufacturing of proprietary connections, under Rig Direct®, Tenaris offers a complete service package to support customers’ operations.

Rig Direct® covers from well planning, product selection, pipe and accessories management, and RunReady™ deliveries at the rig site,

### PROJECT PROFILE

#### Operator

Perforaciones Marítimas Latina S.A. de C.V.

#### Products Highlighted

TenarisHydril EasyDock™ 70 connector

#### Location

Gulf of Mexico

#### Services provided

- Technical Assistance
- Running Assistance
- String Design and Material Selection
- RunReady™

#### Application

Shallow Water



to technical assistance to ensure well integrity and the promotion of safety and running best practices.

## Thorough preparation precedes success

Tenaris participated actively in string design and material selection along with PML team, and offered a Rig Demo at its Rig Direct® Academy to show TenarisHydril EasyDock™ connector's main features, benefits and applications.

Several meetings were held to explain handling and behavior of the connector in detail and Field Service specialists were in contact with the running operators in order to coordinate activities and ensure that all the required tools were in proper conditions.

At the rig site, all joints were received RunReady™. As best practice, Tenaris Field Service specialists performed full inspection in the rack area, confirming that all the pipes were in good conditions and assuring proper installation of protectors, bumper rings, anti-rotational keys (ARKs) and elastomeric seals. Prior to running, a pre-job meeting was held, during which Tenaris Field Service specialists explained best practices for pipe and connections handling, provided torque values and demonstrated the proper activation of ARKs.

## Safe, quick and easy to operate

TenarisHydril EasyDock™ connectors rely on extensively tested and field-proven technologies developed by Tenaris, and were specially designed to assure quick, trouble-free makeup even under challenging installation conditions.

Three thread starts and a fast thread taper assure deep and easy stabbing while self-alignment guides steer the connector preventing pin and box thread misalignment. Pre-installed elastomeric seal simplifies logistics and ARKs provide extra assurance against connector accidental back-off with a quick on site activation.

### Results

#### Time is gold

TenarisHydril EasyDock™ 70 connector showed outstanding running performance, with 100% successful makeups. Zero rejects and zero re-makeups were recorded, demonstrating that the connector is undoubtedly robust and easy to operate. Running speed reached an average of 20 minutes per joint; a great achievement considering an average weight of 5.5 tons per pipe. Deep stabbing made the final assembly fast and easy, showing clear torque stability. Finally, the minimum time for ARK activation really impressed PML and the running crew when compared to previous experiences with other solutions in the market.

The benefits of Tenaris's fully integrated manufacturing and quality system were reflected in the pristine condition in which all materials were delivered avoiding the need of additional activities at the rig.



▲ ARKs: Pre-installed at the mill, housed and bolted with no loose parts and no need for special equipment make activation really quick and simple, taking just a few seconds.

## The whole nine yards

Prior to running, pipes are usually measured by the crew in order to confirm that the effective length that will be run is correct.

Tenaris Field Service specialists noticed that six pipes had not been measured correctly. They raised the point and provided a brief explanation to the crew on how to properly measure pipes for future operations, proving the importance of on-site assistance.

## Safety first

Tenaris Field Service specialists assisted the customer and shared best practices to operate connectors safely and effectively, what resulted in a smooth running operation, presenting no issues.

In addition, the float shoe was delivered already welded to the first pipe, allowing the crew to operate in a safer working environment, with no welding activities needed at the rig.

Considering the installation was carried out during Covid-19 contingency, all the personnel involved in the operation disposed of all the mandatory PPEs and complied with health and sanitization protocols without any exceptions.

The collaboration between Tenaris and PML resulted in a memorable offshore debut for TenarisHydril EasyDock™ connector.



For contact information, please visit our site:  
[www.tenaris.com](http://www.tenaris.com)