



Pertamina Hulu Energi chooses TenarisHydril Blue® Dopeless® connections for Indonesian offshore operation

With Tenaris field service support, Blue® Dopeless® connections promoted efficiency in the challenging West Madura Offshore Development Project.

Summary

Pertamina Hulu Energi West Madura Offshore (PHE WMO), a major Indonesian oil and gas company, has been leading the West Madura Offshore Development Project since 2011. This oil and gas development is located in the Madura Strait, at a water depth of about 200 feet.

The operator faced a few challenging wells, and chose TenarisHydril Blue® Dopeless® connections to obtain the maximum efficiency and safety. With Tenaris field service support the operation went smoothly, achieving the results that PHE WMO was expecting.

Challenges

Efficiency Under the Sea

In such offshore environment, PHE WMO wanted to achieve improved efficiency in compliance with its high health, safety and environmental standards. The area is characterized by typical tropical weather conditions, with heavy rains and high humidity. This factor increases the complexity of the operation and calls for extra care in the open yards used to store the connections, as humidity increases the risk of corrosion.

In addition, as a contingency measure PHE WMO had to be prepared to use the casing while drilling technique and thus required connections able to provide extra torque capabilities and strong fatigue resistance.

PROJECT PROFILE

Operator

Pertamina Hulu Energi
West Madura Offshore

Location

West Madura, East Java,
Indonesia

Type of well

Deviated

Products highlighted

- TenarisHydril Blue® connections
- Dopeless® technology

Services provided

- Field service
- Technical assistance
- Onsite training



Solutions

Field proven performance

TenarisHydril Blue® connections offer superior tension and compression strength, along with high torque capacity and fatigue resistance. The threaded and coupled premium connection offers fully tested metal-to-metal seal under a combination of tension, compression, internal and external pressure.

It complies with the highest industry standards and will continue to do so under the forthcoming revision of the API RP 5C5 Testing Protocol.

TenarisHydril Blue® connections have been chosen by 200 operators and installed in 70 countries worldwide.

Dopeless® benefits

Tenaris Dopeless® technology is a dry, multifunctional coating that makes thread and running compounds obsolete. It is applied at Tenaris mills in a fully automatic process that ensures that the exact amount of lubricant is used. This solution provides operational and HSE benefits.

In standard operations dope is applied on the field with a brush, and it usually spills on the floors. The slippery surfaces it creates along with the pipe handling and cleaning operations related to dope increase the risk of accidents. Therefore, the Dopeless® technology promotes safety at the rig. The absence of thread and running compounds also reduces the environmental footprint of the operation.

Dopeless® technology improves the reliability of the running by minimizing the risk of make-up problems, nearly eliminating re-make-ups and rejects. With this solution, running times can be reduced up to 25%. These improvements in rig time efficiency can save about 10% of the total pipe cost in offshore operations.

A technical helping hand

Tenaris field service specialists work side-by-side customers to improve efficiency and safety at the rig site. They help operators apply the appropriate operational practices during the installation and use of the products.

Thanks to Tenaris's global reach, field services specialists are available to support operators in almost any corner of the world. The service center in Indonesia has a team of seven experts ready to assist regional operations.

Results

Interchangeable success

The 9 5/8" production casing strings with TenarisHydril Blue® Dopeless® connections provided outstanding performance in each of the three wells, proving once again their reliability in even the most challenging environments. By recording the running time of pipes in one of the wells, the operator was able to verify a reduction to operational time in the order of 16.5% due to the utilization of the Dopeless® technology.

Dopeless® technology also improved rig efficiency, fostered reliability and promoted safety at the rig site and reduced the environmental footprint of the operation. One of the strings combined Dopeless® and standard connections, so it was easy to verify the interchangeability of the two types of connections.

Always next to the customer

Tenaris worked with PHE WMO throughout the operation, offering technical advice before and during the running and supporting the customers with field services at the rig site.

Tenaris field service experts provided services such as thread visual inspection and pre-running operational talks, helping PHE WMO achieve a smooth running and obtain the best out of Tenaris products.



For contact information, please visit our site:
www.tenaris.com