



More than 5 million feet of TenarisHydril Wedge 625® connection run in Vaca Muerta

TenarisHydril Wedge 625® connection has been used in horizontal wells by over 9 operators, with lateral lengths close to 10,000 ft, becoming the connection of choice in Vaca Muerta.

Summary

The recent increase in the exploitation of shale wells, with their associated technical challenges, made it necessary for oil & gas companies to use products specially designed for this type of unconventional reservoirs.

The use of TenarisHydril Wedge 625® connection proved to be an appropriate answer to the needs, being adopted by several operators in more than 300 wells with satisfactory results, thanks to its semi-flush design with metal-to-metal seal and outstanding operational torque capacity.

Challenges

The increase in length of the horizontal branches, a growing tendency in the industry, allows a more efficient development of this type of reservoirs. For this, operators need Casing to be capable of:

- Withstanding mechanical loads during the construction and throughout the life of the well, maintaining sealing capacity in the connection.
- Maintaining the architecture of the Surface and Intermediate sections, using the same drilling equipment in order to optimize drilling costs.
- Minimizing friction losses during the completion stage.
- Enable the rotation of the string in order to reach final depth.

Solutions

The need for an integral semi-flush threaded connection, with metal-to-metal seal, high tensile strength, bending and internal pressure, resulted in the selection of the TenarisHydril Wedge 625® connection. The extra operational torque capacity of the connection allows the rotation of the string during installation in case this is required to reach the depth defined in the well design.

PROJECT PROFILE

Location

Neuquén Basin
Argentina

Products

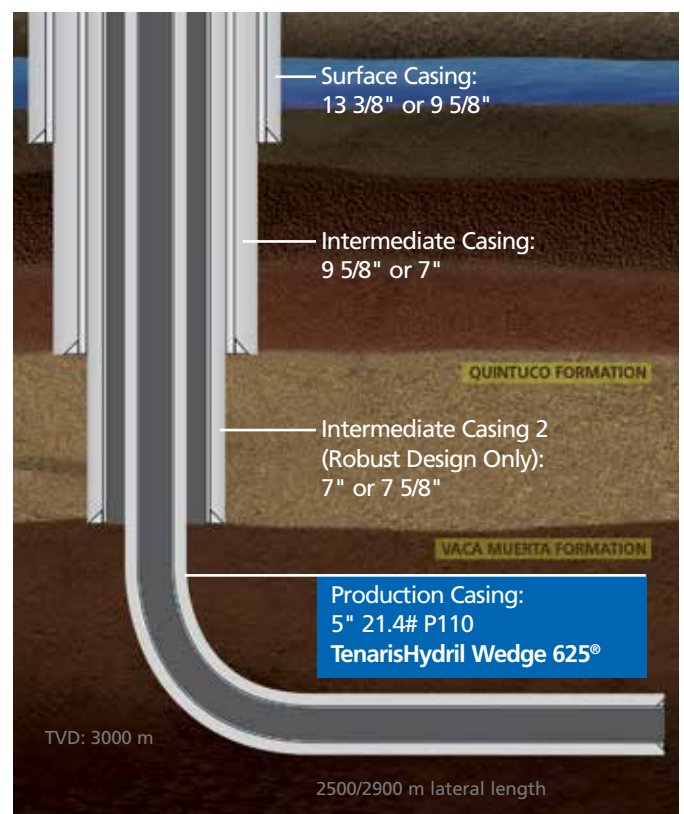
• 4 ½", 5", 5½"
TenarisHydril Wedge 625®

Type of well

Shale Gas and Shale Oil

Services

• Technical Consulting
• Run Ready
• Field Services



Within the available dimensions, the customers' most frequent choice is the 5" diameter and 21.4 lbs/ft of linear weight and, to a lesser extent, the 4 ½" 15.1 lbs/ft, 5 ½" 20, 23 and 26 lbs/ft.

Dopeless® technology

Dopeless® technology is a completely dry coating that eliminates the need to use storage and running compounds, resulting in a cleaner and safer rig site. Additionally, the time required to prepare the casing and make-up the connection during running is reduced. This technology is available in the region and is already being used with the TenarisHydril Wedge 625® connections.

Rig Direct® service model

Field assistance: This service includes the presence of specialists on site to supervise and offer recommendations regarding best practices established by Tenaris to run the connections.

Tubular products ready to be run: Tenaris offers demand planning and inventory management services (DemandSync™),

which together with the Run Ready service allow customers to receive the pipes measured and drifted, with their connections ready to be doped and run in the well, saving time and resources.

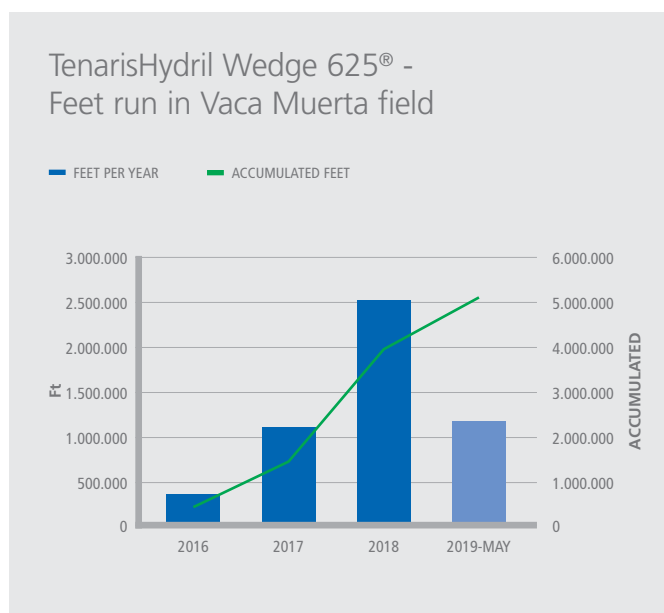
Technical consulting: The Tenaris Technical Sales team provides support to customers from the design stages of the tubular products to their installation in the field.

Results

Unquestionable outcome

Currently more than 300 strings have been installed, summing up a total running length of more than 5 million feet with TenarisHydril Wedge 625® connections.

The field assistance team - Tenaris Field Services, has supervised +23,000 connections, with zero re-make-ups or rejects related to the product.



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