

Introduction to OCTG

Course Overview

Handout 01



The history of Petroleum began in the 19th century with very shallow, vertical and onshore oil wells. Progressively new technologies in the exploration and drilling field appeared due to the necessity to find oil and gas.

Therefore, oil and gas wells became more complex, deeper, with different types of rocks to go through, such as highly abrasive rock, salt, carbonates and shales. Pressures and temperatures increased to high levels, and the corrosiveness of the fluids became a concern.

Today, we can find drilling rigs with different capacity onshore, offshore, in deep waters and in swamps, and drilled wells have a wide variety of complexity, as they have changed from shallow single vertical to directional, horizontal and multilateral wells; with highly sweet or sour corrosive fluids, high temperatures, and high pressures among other factors.

These difficulties have triggered the competitive development of new materials and applications. The tubular suppliers of casing, tubing and drill pipe, products collectively known as oil country tubular goods (OCTG), have followed such technological changes by improving steel grades and pipe connections.

"Tenaris has produced this document for general information only, and the information in this document is not intended to constitute professional or any other type of advice or recommendation and is provided on an "as is" basis. No warranty is given. The use of the information is at user's own risk and Tenaris does not assume any responsibility or liability of any kind for any loss, damage or injury resulting from, or in connection with any information provided hereunder or any use thereof. The information in this document is subject to change or modification without notice. Tenaris's products and services are subject to Tenaris's standard terms and conditions or otherwise to the terms resulting from the respective contracts of sale or services, as the case may be. Unless specifically agreed under such contract of sale or services, if Tenaris is required to provide any warranty or assume any liability in connection with the information provided hereunder, any such warranty or liability shall be subject to the execution of a separate written agreement between petitioner and Tenaris. This document as well as the information contained herein are confidential and are owned by or licensed to Tenaris and/or its affiliated companies, and may not be copied, recopied, reproduced, translated, disclosed, adapted, changed or distributed nor used for any purpose whatsoever without the prior and written permission of Tenaris. For more complete information please contact a Tenaris's representative or visit our website at www.tenaris.com. ©Tenaris 2015. All rights reserved".