



CLEANWELL®: Setting New Standards for Wintershall Dea Projects in Norway

SUCCESS STORY VALLOUREC

Overview

Wintershall has introduced Vallourec's dope-free solution CLEANWELL® into their recent operations. First results show clear advantages and cost savings throughout the OCTG product's life cycle all while reducing safety risks and environmental impact.

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Challenge

Stringent HSE-related regulations in Norway (such as REACH and OSPAR classifications) request Oil & Gas operators to eliminate all discharge to the environment – one of the main causes being running compounds. Motivated by this context and following an increasing trend towards dope-free solutions in the Norwegian shelf, Wintershall Dea approached Vallourec to work together on finding an environmentally-friendly alternative to thread compound without compromising performance. After some discussions, both companies came to the decision to try out Vallourec's CLEANWELL® solution on Wintershall Dea operations.

Solution

CLEANWELL®, a non-polluting, multi-functional coating, replaces both storage and running compounds and is applied directly on the surface of VAM® connections. The dope-free solution has been validated as per API RP 5C5:2017 / ISO 13679:2019 CAL-IV.

CLEANWELL® technology relies on two key features:

- A metal plating concept,

ensuring anticorrosion and anti-galling performances providing storage resistance for over 3 years.

- A thermoset lubricant applied on top of the electro-plated surface that provides extreme repeatability and stability throughout make-up.

In 2019, Wintershall Dea successfully introduced

CLEANWELL® into their operations in the Norwegian North Sea. The first running of CLEANWELL® strings took place on an exploration project. In total, over 7,000 CLEANWELL® joints have been delivered to Wintershall in Norway, for both casing and tubing, in all types of grades, from carbon steel to CRA. Most of these joints were successfully run in Wintershall Dea's Maria, Nova and Vega fields.

Benefits/ Results

During the operations involving CLEANWELL® tubulars, Wintershall Dea noted a gain in efficiency throughout the pipe life chain all while complying with HSE regulations

- Higher reactivity upon requesting the pipe shipment to offshore rigs,
- Reduction of unplanned events during rig operations, marked by less make-up rejects,

NPT and ultimately contributing to achieving running operational records in terms of joints per hour.

- Easier management of unexpected running operation postponement. After 3 months racked without protectors, connections were still in proper condition for running.

FIND OUT MORE

To find out more about CLEANWELL® visit [our website](#).

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