



Case Study
OIL AND GAS

Project

Appomattox: Efficiency through Innovation

Appomattox is one of Shell's deep-water oil and gas projects and the largest floating platform in the Gulf of Mexico, is the first high temperature project to gain Bureau of Safety and Environmental Enforcement (BSEE) approval and begin production. The platform is 2,255m deep and will produce from the Appomattox and Vicksburg fields, with average peak production estimated to reach approximately 175,000 barrels of oil equivalent per day (boe/d).

Location
Gulf of Mexico

Contractor
Kiewit Offshore Services

Interests
Shell 79% Owner and Operator
Nexen Petroleum Offshore USA Inc. 21%

Year
2016

What We Delivered



DIAMETER

1" – 30"
(25mm to 762mm)



PRESSURE

16 bar
10.3 bar



METERS

26,500 feet
(8077 m)



JOINTS

Butt-and-strap
(TigerWrap®)



DELIVERING

Seawater Cooling

Fiberbond® was chosen by Shell Deepwater for seawater cooling and low pressure drain lines. Fiberbond® utilizes our proprietary Tiger Wrap® connection, a connection superior in performance and reliability during high bending stresses at pipe and fittings and lateral connections, with the ability to conform to non-conventional drain piping designs.

2,556 Pipe spool assemblies were shop fabricated at our Baton Rouge facility and transported to Kiewit Offshore Services in Ingleside Texas for installation on the individual topside decks prior to critical float and lift dates. FPI Site Services with a crew of 20+ mobilized at Kiewit Offshore Services in late 2016 and completed the installation of the spools in March 2018. Our Site Services team also assisted during offshore integration for interconnect piping and tie-ins as required to support the aggressive first oil schedule.

“Shell achieved significant cost savings on the project as a result of optimized planning, better design and efficient execution. The use of Fiberbond® Composite piping solutions contributed to these savings as well as shop fabrication, our superior Tiger Wrap connections for performance and reliability and a 20+ Site Services Crew to complete the installation and assist during offshore integration.”

Gallery



Need
More Info?

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