

THE POWER OF PREPARATION



FLARE TIP REPLACEMENT ENCHILADA PLATFORM

Shell awarded Conbit the contract to replace the HP and LP flare tips at its Enchilada platform, offshore New Orleans. The engineering and project preparation were coordinated by Worley's office in New Orleans in 2019, while the offshore execution took place in August 2020.

The project was completed in time and within budget.



Picture: Enchilada Platform view

PROJECT

- ✓ ENGINEERING
- ✗ PROCUREMENT
- ✓ INSTALLATION

Client

Shell Offshore Inc.

Project Number

31207

Project Name

Enchilada Platform Flare Tip Replacement



FLARE TIP REPLACEMENT ENCHILADA PLATFORM

01SD127-A



Pictures: Load test at Conbit's Eindhoven Warehouse and containers on the field



Pictures: Rope access, old and new flare tip on crane vessel and bolting



Picture: A frame and flare tip handling

ENGINEERING

First, the Conbit engineers prepared a concept lift plan, which was verified during a site survey. After the site survey the detailed lift plan, method statements, work packages and structural analysis was completed.

MOBILIZATION

The flare tip handling system was tested in Conbit's warehouse in the Netherlands, before it was shipped to the US. A multi-skilled crew was selected. All crew members were fully trained rope access technicians and are very competent riggers. The crew was composed with local technicians and lead by a Dutch team leader. The crew first travelled to another platform, Salsa, before arriving at Enchilada.

OFFSHORE EXECUTION

The installation of the flare tip handling system went well and the load test was carried out successfully. The flare tip replacement was based on lifting to and from a supply vessel. This procedure relies on fast lift winches to overcome the motions of the sea. Besides that, an experienced winch operator is required to perform the lift at the right moment. The lifting operation progressed well and the new flare tips were connected according the procedure. After housekeeping and packing the containers, the crew left for the next flare tip replacement at Salsa.

"MECHANICAL FLARE TIP HANDLING IS A MORE CONTROLLED METHOD THAN REPLACING BY HELICOPTER"