

# JULIA PHASE 1 DEVELOPMENT, EXXON MOBIL CORPORATION

Exxon Mobil Corporation and Statoil Gulf of Mexico LLC are developing the Julia oil field, estimated to hold nearly six billion barrels of resources, in the Gulf of Mexico. Each company owns a 50% stake in the field with Exxon Mobil serving as the Operator.

## Services Provided:

- Engineering
- Procurement
- Construction
- Installation



The Julia field is located 265 miles southeast of New Orleans in approximately 7,000 feet of water.

The Julia Phase 1 project is a subsea tie-back to a semi-submersible Floating Production Unit (FPU). McDermott successfully completed the engineering, procurement and construction of the two flowline jumpers. McDermott also successfully completed procurement and construction of four suction piles and three jumpers as well as the transportation and installation of the manifold, suction piles, flying leads, subsea pump system, power umbilical, control umbilical and Subsea Distribution Unit/Umbilical Termination Assembly. McDermott performed the testing of the tie-back system and mechanical completion activities from the FPU followed by hand over to the client.

The Julia subsea infrastructure required a high level of

## Facilities

- Subsea infrastructure, wells, manifold, umbilicals, jumpers, flowlines, risers, pump station, pump modules, transformer and topsides support equipment

## Location

- Julia Field, Walker Ridge, Gulf of Mexico

## Water Depth

- 7,000 feet

## Vessels

- DB50
- NO102

engineering design and construction work. The McDermott installation solution provided reliability and precision using key vessels in the McDermott fleet for deepwater lowering and flexible lay activities.

**Engineering:** This high-profile project was executed using McDermott in-house expertise and subsea engineering capabilities in Houston.

**Procurement:** McDermott performed procurement of suction piles, jumpers, induction bends, vent hatches, installation aids, international transportation, and support services for the project.

**Construction:** McDermott managed the fabrication of the suction piles, subsea jumpers, induction bends, vent hatches and installation aids for the vessels and the FPU activities.

**Installation:** McDermott's Derrick Barge 50 safely performed the installation of suction piles and subsea equipment, including the manifold, pump station, transformer, flying leads and jumpers. In addition, McDermott's subsea construction vessel North Ocean 102 safely transported and installed the umbilicals, flying leads, and one jumper.

**MCDERMOTT**