

**NIGERIA**

## **CHEVRON NIGERIA – SONAM DEVELOPMENT**

### **PIPELAY SUBSEA CONSTRUCTION**

#### **BRIDGING GAS FIELDS IN SHALLOW WATERS**

The Sonam Development is a natural gas and production field which commenced production in 2017. The Sonam field is located in shelf concession OML 91, Escravos Area, offshore Nigeria, in water depths ranging from 7m around the Okan field to 66m at the Sonam area. Telford 25 supported the project development of Sonam connecting the field to existing facilities.



## CHEVRON NIGERIA – SONAM DEVELOPMENT



In 2016, the Sonam Development Project for Chevron Nigeria Ltd was successfully completed. This scope consisted of the installation of a 32km 20inch pipeline between the Sonam and Okan fields as well as a Pig Receiver Platform including jacket and bridge at the Okan end of the pipeline, using Telford 30 (ex Jascon 30) and Telford 25 (ex Jascon 25) to execute the various worksopes\*.



### The scope included:

- Transportation and Installation of the Okan PRP Jacket, Piles, Deck and Bridge;
- Survey of Pipeline route and the Installation of the 32km x 20" Pipeline between Sonam NWP and Okan PRP;
- Fabrication, Load-out and Installation of Risers and Subsea Spools for Sonam NWP and Okan PRP;
- Pre-commissioning and Commissioning of the Pipeline (hydro-test, dewatering, drying and Nitrogen Purging).

Installation engineering activities and preparation of Project Management deliverables commenced in June of 2015 while field installation activities started with the pre-lay survey in November 2015.

The scope of work comprised of the

installation of a 32km 20inch pipeline between the Sonam and Okan fields as well as a Pig Receiver Platform including jacket and bridge at the Okan end of the pipeline.

The full Installation phase involved the Telford 30 and Telford 25 DP3 vessels. The Telford 30 was used for the rigid pipelay operations whilst the Telford 25 installed the jacket structure (237t) topsides deck (340t) and bridge (145t). The project work scope also involved installation of the riser and subsea spools, dropped object protection mattresses and diving and pre-commissioning activities.

The successful project was delivered within client's budget and technical specification. The project was commended by client for strongly aligning with Chevron's commitment to an Incident and Injury free campaign.

### PROJECT OVERVIEW

#### CLIENT

**Chevron Nigeria Ltd**

#### PROJECT

**Sonam Development Project**

#### LOCATION

**OML91, Nigeria**

#### PROJECT TYPE

**Pipelay and offshore installation work**

#### CONTRACT PERIOD

**June 2015  
- June 2016**

#### VESSEL

**TELFORD 30,  
TELFORD 25 and  
supporting fleet**



\*A West African Ventures project