

WFX0™ Openhole Gravel-Pack System

Helps Operator to Achieve a 32% Increase In Oil Production from a Campos Basin Well

Objectives

- Run a lower completion through a carbonate reservoir in preparation for a multistage simulation treatment.

Our Approach

- The operator called on Weatherford to install a lower completion in an offshore, high-angle well in Brazil. The Weatherford completions team discussed the casing program, wellbore trajectory, and reservoir parameters with the operator.
- After running torque and drag simulations, the Weatherford team recommended the WFX0 openhole gravel-pack completion system. The WFX0 system—featuring the WFX0 retrievable sealbore packer, gravel pack closing sleeve, quick connect and Optibarrier™ isolation barrier valve—is capable of completing multiple zones in a single trip while providing reliable, gas-tight reservoir isolation.
- Weatherford deployed a select completions crew to the rig. Using the WFX0 system, this crew installed an openhole lower completion system without tool sticking or well swabbing.
- With the WFX0 system in place, the operator was able to carry out a multizone acid job.
- The entire operation was conducted without any quality, health, safety, or environmental issues.

Value to Customer

- The WFX0 system delivered single-trip multizone acid job to create a wide flow path that significantly improved acid-fluid performance during the subsequent stimulation job.
- The integrated Optibarrier ball valve transformed the system into a deep-set isolation barrier, which eliminated any need for an intermediate completion and saved the operator 2 days of rig time.
- The WFX0 multizone configuration was instrumental in helping the operator to realize a 32% increase in production.



Weatherford crews made up the WFX0 completion equipment, shown ready to run in the hole.

LOCATION

Brazil, Campos Basin

WELL TYPE

Offshore oil producer

FORMATION

Carbonate

DEVIATION

88°

CASING SIZE AND DEPTH

9-5/8 in., 47 lb/ft at 8,500 ft (2,591 m)

TOTAL DEPTH

12,982 ft (3,957 m)

PRODUCTS/SERVICES

- Well completions services
- WFX0 openhole gravel-pack system

