



# Weatherford®

## REAL RESULTS

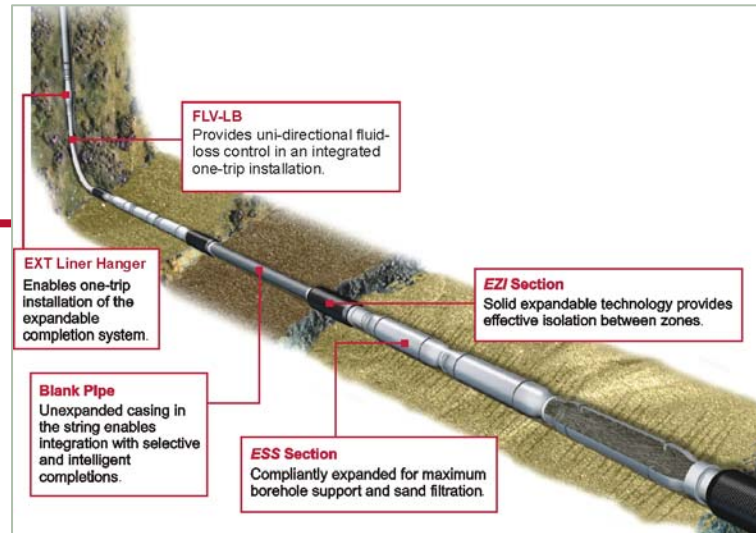
### World's First 7-in. Subsea Expandable Reservoir Completion System Enables Development of Caspian Sea Injector Well



Effective Isolation



High Productivity



## Objectives

- Enable completion of a sandface water-injector well by installing the world's first subsea 7-in. expandable reservoir completion (ERC™) system. Installation would be from a semi-submersible rig, with deployment into an 8 1/2-in. open hole. The job would require 207.7 ft (63.3 m) of ESS® expandable sand screens and two 60-ft (18.38-m) EZI™ expandable zonal isolation joints to isolate the area between the Pereriv B and Pereriv D sands.

## Results

- The ERC system was deployed and set on a 10 3/4-in. EXR large-bore hanger/packer designed for the area's deepwater subsea injector wells.
- The expansion bottomhole assembly incorporated thrusters to minimize the amount of heave transmitted to downhole tools.
- A post-job log confirmed that the ERC system had compliantly expanded.

## Value to Client

- The operator was able to successfully isolate the zones, allowing for the deployment of downhole flow control between the isolated Pereriv B and Pereriv D sands—a major milestone in the development of this field.

The ERC system, which combines Weatherford's ESS technology and expandable zonal-isolation techniques, yields the same benefits and provides superior isolation in multi-zone reservoirs where traditional casing, cement, and then sand screens would be used.

### Location

Caspian Sea

### Well Type

Water injector

### Hole size

8-1/2 in.

### Casing

10-3/4 in.

### Number of Zones

2

### Products/Services

- ERC system
- EXR large-bore hanger/packer
- EZI zonal-isolation joints
- ESS expandable sand screens