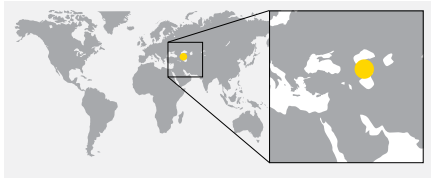


# First VAULT® dual plug system installed in Caspian Sea saves customer 24 hours' rig time



**Region:** Azerbaijan, Caspian Sea  
**Customer:** Major Operator  
**Well Type:** Gas Producer  
**Reference:** UK100617, OTOS 18-142017

## Case Benefits

- First VAULT® dual plug system installed in the Caspian Sea
- Saves 24 hours of rig time
- Saves operational cost
- Safer and more efficient operations

## Key Capabilities

- ISO 14310 VO rated gas tight seal
- Dual plug system
- No set weight needed below
- High differential pressure elements
- Combined run (pulling MUT prior to set deep plug)
- Reduced red zone activity

## Typical Applications

- Plug and Abandonment (P&A)
- Barrier

## Challenge

Archer received a request from a Major Operator in Azerbaijan to install two VO rated barrier plugs in one run with a goal to optimise efficiency of the operation and save significant rig time.

## Solution

The VAULT® dual plug system enables two barrier plugs to be installed and retrieved in one run.

The plan was to install two barriers in the well and pressure test both plugs from above.

The deep set plug (4003m) selected for the operation was a TIMELOCK® plug and was tested from above to 5600psi.

The shallow plug (2196m) selected for the job was VAULT® plug and was tested from above to 7100psi.

The VAULT® dual plug system has never been utilised in the Caspian Sea before.

## Result

The Operation was successfully performed without any issues.

The VAULT® dual plug system in combination with a TIMELOCK® plug saved the customer 24 hours' rig time. Estimated cost saving equals \$300k.

