

CASE STUDY- 2020- CASPIAN SEA

First Integrated Operation in the Caspian Sea- VAULT® system successfully set

Challenge

A major international operator requested Archer to install two VO rated barrier plugs in one run to optimize efficiency of the operation and save rig time.

Due to Covid-19 pandemic the operator challenged Archer to provide a solution to overcome personnel and travel restrictions, without compromising service quality.

Solution

Archer proposed using the VAULT® dual plug system enabling to set and retrieve two plugs in a single run.

Selected for the operation were a 10" TIMELOCK® as the deep set and a 9-5/8" VAULT® as the shallow set plug. In order to meet the barrier suspension criteria both plugs were pressure tested as required.

In addition, to overcome the personnel travel restrictions, Archer set-up an integrated operation centre (IO) in collaboration with the operator's remote support center to receive real-time data from the rig during the operation and communicate directly with the rig team.

Result

A real time communication link was established between the operating rig and Archer's remote support center situated in our Aberdeen office. All pre-job checks were completed according to Archer's best practice and the VAULT® dual plug system was deployed run to the planned setting target depth. The actual setting operation was closely monitored and supervised by our experienced personnel in the I/O center. The entire operation was conducted flawless and without any issues.

"All objectives successfully achieved without compromising our high service delivery standard"

