

CASE STUDY

STX-SPAN[®]

Systems

CHALLENGE:

- Rig less installation of long patch to seal perforated interval.

SOLUTION:

- Utilize Owen Oil Tools STX-Span technology with the alternate use of MSST and re-engineered solid shoulder seal bore to mitigate recovery concern of the stinger sections in case of tool miss fire.

RESULTS:

- Successfully ran and set STX-Span with 10ft extension and 40ft stand-alone sand screens to isolate the perforated zone and prevent sand production.

OVERVIEW

An operator of an offshore well wanted to install 4.50" Stand Alone Sand Screens to isolate 57 ft. of perforated zone in the well bore. The system would need to provide a seal between the top and bottom to prevent sand production.

SOLUTION

Owen Oil Tools proposed the STX-Span stackable system. The system is rated to 5k psi burst pressure. It incorporates a bottom seal, seal bore and stinger to allow multiple stack up of various extension lengths, and a top seal in order to isolate long intervals.

The system was deployed in three runs via E-Line with tractors. An Owen Oil Tools Multi-stage Setting Tool was utilized instead of mechanical deployment tool for the stinger section installation.

A solid shoulder seal bore (without collet/latch) was engineered to mitigate the concerns in recovering stinger sections to surface.

RESULTS

The STX-Span with 10ft extension plus 40ft of stand-alone sand screens was successfully installed at target depth. A subsequent 10ft long patch was installed above for zonal isolation.

The operator saved considerable expense through rig-less deployment of the sand screens.

