

CASE STUDY- 2026- MAJOR OPERATOR - DEEPWATER CAMPAIGN

X-LOCK™ high expansion bridge plug – setting a new standard for temporary isolation

Challenge

A major operator required a 14" 115# High Expansion Packer deployable on drill pipe or pre-installed in a 9-5/8" liner, set on the way out for temporary well abandonment.

Key features and challenges specified by the operator

- Tight wellhead restrictions below 14"
- Reduced OD to pass 8.5" drift ID in 9-5/8" liner
- API 11D1 V6 qualification at 6,500 psi
- Minimum unrestricted packer ID of 2.625"
- Set/retrieved via drill pipe rotation and weight, no weight required below packer
- Can be set shallow to save rig time
- >12 months suspension capability
- Fully repositionable with multiple set/reset cycles
- Integrated ball valve for opening/closing and pressure testing above and below the packer

Solution

Our team took the challenge and worked closely together with the customer over a short period of time. As a result, the new X-LOCK™ was designed, developed and successfully installed in multiple wells.

The new X-LOCK™ is designed to operate in challenging Deepwater environments, with a temperature rating of 40°F up to 150°F and a differential pressure rating of up to 6,500 psi



~\$12 M a year saving for
the Deepwater campaign

16 hours/
well **saved**

3 operations were
flawlessly executed