

Maximizing Reservoir Contact

CASE HISTORY

Arabian Sea

Challenge

Sidetrack from existing wells in a ~50-year-old field and reach total depth (TD) with sufficient hole size to maximize production in an offshore revitalization project.

Objective

Mitigate shale formations, in which loss of returns and sticking are common, by combining SET® expandable tubulars with sidetracking operations in order to reach additional reserves with optimized hole size.

Results

The operator was able to extend the reach of several wells by cutting windows in the 9-5/8 in. casing and running 7-in. 26 lb/ft casing through it. Enventure then installed 5-1/2 x 7 in. SET® openhole liners that enabled the operator to drill additional laterals and increase reservoir contact. The expandable solution facilitated a horizontal completion in a lower zone of a producing reservoir. As part of a total drilling-management approach, Enventure secured the casing services and supervised the entire installation and drill-out operation.

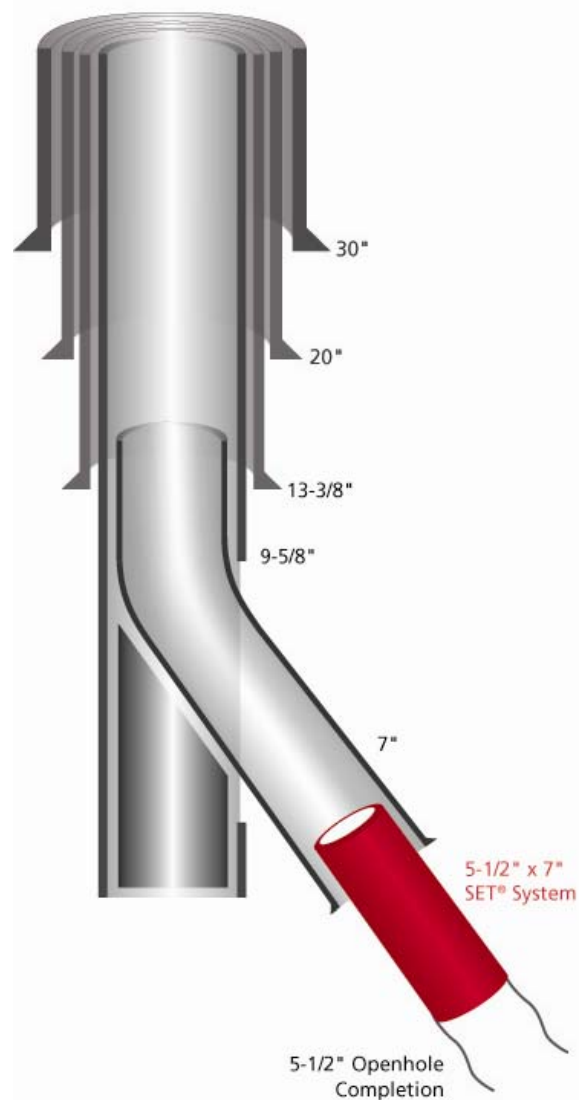
Value Added

The successful combination of SET® and sidetracking technology enabled the operator to

- Use the existing infrastructure to complete additional zones.
- Avoid a new drill to access reserves previously out-of-reach.
- Drill additional laterals and increase reservoir contact without sacrificing hole size.

Maintaining adequate hole size

- Provided better steering capacity in the reservoir.
- Enable the operator to run logs otherwise not possible in slimhole wells.
- Resulted in a significant drop in nonproductive time compared to a slimmer wellbore profile.



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