CASE STUDY | S2 | ONSHORE

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DAMMAM, SAUDI ARABIA

CENTEK S2 DEMONSTRATES STRENGTH AND DURABILITY IN AN EXTENDED-REACH WELL IN SAUDI ARABIA

Region:	Middle East	**Country:**	Saudi Arabia
Application:	Onshore	**Field:**	Dammam

THE CHALLENGE

The operator needed to run the casing string to total depth in an ERD well in Saudi Arabia, through a 12,216 ft horizontal section.

The inclination at total depth was 89.9°. Measured depth (MD) and true vertical depth (TVD) were 18,122 ft and 4,474 ft, respectively.

THE SOLUTION

Use fully heat-treated Centek S2 single-piece centralizers, sized 9 5/8-inch × 12 1/4-inch, installed at Centek's recommended spacing.

The S2 combines strength and flexibility to support casing deployment in challenging wellbores.

THE RESULT

The 9 5/8-inch casing string reached total depth at 18,122 ft MD, including a 12,216 ft horizontal section. The string was then pulled out of hole (POOH) for reasons unrelated to the centralizers.

All Centek centralizers and stop collars were recovered, inspected and found to be undamaged. The casing string was then successfully rerun to total depth.

Across the initial run, withdrawal and subsequent rerun, the centralizers travelled more than 54,000 ft, withstanding the loads encountered during both runs to total depth. Following cementing, the cement bond log (CBL) indicated a good cement job.

The S2's single-piece construction demonstrated its strength and durability throughout the operation. Although Centek does not recommend reusing centralizers after they have been pulled out of hole, the units in this operation were inspected, found to be undamaged and successfully rerun.





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