

CASE STUDY

OBS

ONSHORE



ONSHORE, USA

BESPOKE CENTRALIZER FOR COATED CASING IN THE PERMIAN BASIN

Region: North America

Country: USA

Location: Permian Basin

THE CHALLENGE

In the Permian Basin, operators are increasingly deploying anti-corrosive coated casing in wells where elevated saltwater concentrations can accelerate material degradation. These environments can significantly increase the risk of corrosion, impacting casing integrity and long-term well performance.

For this project, a large E&P company required a centralization solution that could be safely installed over coated casing without compromising the protective layer. Standard centralizers were not suitable due to fitment requirements and tighter tolerances raising the risk of damaging the coating during installation and running.

The challenge was clear:

- Maintain effective standoff in demanding well conditions
- Protect the integrity of the anti-corrosion coating
- Deliver a repeatable, reliable solution across a 20-well campaign

THE SOLUTION

Centek engineered a bespoke version of its U.S. built OBS centralizer, specifically designed to accommodate coated casing.

This was a fast-paced development project, involving close collaboration with the operator to ensure the design met both dimensional and performance requirements.

Key features of the solution included:

- Customized sizing to fit over coated casing without damaging the surface
- Optimized design to maintain consistent standoff and centralization performance
- Robust construction suitable for Permian well conditions
- Adaptation of a new OBS size, tailored specifically for this application
- Designed and built in Oklahoma City

The result was a centralizer that balanced protection of the coating with the mechanical performance required for effective cement placement.



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THE RESULT

The bespoke OBS centralizer solution was successfully deployed and will be utilized across a 20 well program in the Permian Basin.

Key outcomes:

- No damage to anti-corrosive coating during installation or casing running
- Reliable centralization supporting effective cement placement
- Consistent performance across all wells in the campaign
- A scalable solution for future coated casing applications

This project demonstrates how bespoke centralizer design can enable operators to adopt these materials without compromising running performance or cementing outcomes.

Centek's ability to adapt proven designs, such as the OBS, ensures that even highly specialized requirements can be met—supporting well integrity from installation through to long-term production.



Well design

EXCELLENCE TO THE CORE

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