

MONOX™ EXPANDABLE CASING TECHNOLOGY

1. Background

The MonoX™ Expandable casing could be run to isolate trouble zones, mitigate the telescoping effect of conventional well designs, deal with and reduce wellbore instability events. This technology allows for optimal completion size, and extends the capability to successfully drill in narrow pore- pressure/fracture-gradient formations. MonoX™ Expandable casing technology is the next advanced level of PZG open-hole liner technology.

2. Technical Highlights

- ▶ Effectively overcoming the severe losses, narrow pore-pressure/fracture-gradient formations and wellbore instabilities with a mechanical solution by directly and effectively isolating a complex interval in open-hole.
- ▶ Delivering the same wellbore drift as the previous casing, and enabling to maintain original drilling plan to TD without changing the previous well structure design.



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3.Specifications

Model	Base Casing	PZG Tubular		
		OD mm	OD (Pre-exp.) mm	Thickness (Pre-exp.) mm
PZG-Φ203	244.5	203	10	217
PZG-Φ299	339.7	299	13	312
PZG-Φ402	473	406	14	408

4.Field Applications

Expandable casing with diameters of 8" , 11.75" , and 15.75" have been successfully deployed in onshore oilfields in China and offshore oilfields in the Middle East, which has pioneered global industrial application . This technology can save 3 million dollars per case in the middle east .These expandable liners were used to swiftly and effectively seal off complex formations without reducing the wellbore diameter, earning high recognition from clients.

