



CASE HISTORY

Drilling & Completions: Secondary Cementing

LONGCAP - Casing Annulus Packer

RUNNING TAM'S LONGCAP CASING ANNULUS PACKER SYSTEM RELIABLY ACHIEVES HIGH-QUALITY SECOND-STAGE CEMENT OPERATIONS IN THE PERMIAN BASIN

TAM's LONGCAP products use high-strength stainless steel slats to reinforce the full length of the inflatable element from 3 ft to 10 ft.



CHALLENGES: Well construction in the Permian Basin required a 12-¼ in. (311.15 mm) hole to be drilled below a lost circulation zone. The lost circulation zone needed to be isolated to ensure a successful second-stage cement job.

SOLUTION: TAM's 9-5/8 in. (244.48 mm) LONGCAP Casing Annulus Packer was installed on the casing string and deployed to 5,721 ft (1743.76 m) depth. A stage cementing collar (DV Tool) was placed directly above the LONGCAP. The first-stage cementing job was completed and the wiper plug landed. Inflating the LONGCAP immediately after bumping the plug on the first stage eliminates annular fluid migration and provides a support for hydrostatic pressure during the secondary cementing stage. This process reduces rig time as there is no need to wait for the first stage to cure.

RESULTS AND BENEFIT: The LONGCAP was successfully inflated, isolating the lost circulation zone below. This allowed for a successful second-stage cement job. Cement height met operator requirements.



*TAM's LONGCAP
Casing Annulus Packer*