TAM INTERNATIONAL

CASE HISTORY

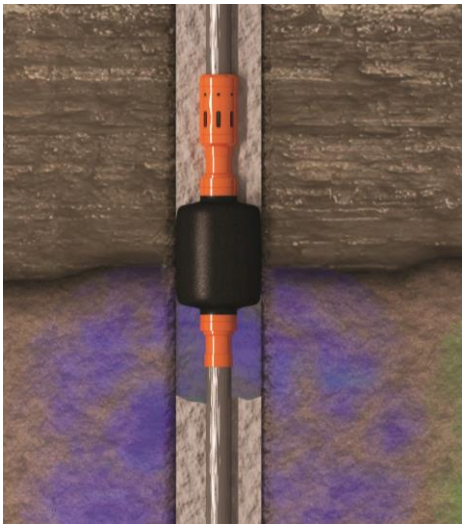
Drilling & Completions: Stage Cementing | 9-5/8 in. LONGCAP - *Casing Annulus Packer*

TAM TWO-STAGE CEMENTING SOLUTION PROVIDES OPERATOR WITH ISOLATION IN A CHALLENGING ENVIRONMENT – PERMIAN BASIN

Running TAM's LONGCAP Casing Annulus Packer System Reliably Achieves High-Quality Two-Stage Cement Operations

CHALLENGES: A major operator in the Permian Basin drilled a 12-¼ in. (311.15 mm) open hole below a lost circulation zone. The objective was to isolate above the lost circulation zone to get cement to surface. This would allow them to achieve a quality two-stage cement job in the well. Previous attempts by other service companies had proved unsuccessful. The formation at setting depth was weak, a 60/40 limestone sand mix.

SOLUTION: TAM's 9-5/8 in. (244.48 mm) LONGCAP Casing Annulus Packer was installed on the casing string and deployed to 4,672 ft (1424.0256 m). A stage cementing collar (DV Tool) was placed directly above the LONGCAP. The first-stage cement was pumped, and the packer was inflated after the plug bump. The inflated LONGCAP provided a solid barrier for second-stage cementing. With a solid base created by the inflated CAP, the cement was diverted to surface.



TAM's 9-5/8 in. LONGCAP isolates above a lost circulation zone and provides barrier for a two-stage cementing solution.

RESULTS AND BENEFIT: The LONGCAP was successfully inflated and was able to isolate the lost circulation zone. TAM's two-stage cementing solution provides a way to place cement over required intervals to ensure well integrity. The packer isolated the lower pressure formations below from the increased hydrostatic pressure created from the cement column. The customer was very satisfied with the results.