



Weatherford®

REAL RESULTS

BULLDOG™ ACP™ Packer Enables Simultaneous Cementing of Multiple Zones, Protects Sensitive Formations, Saves Rig Time, Costs

Objectives

- Perform staged cement operations required by the low fracture gradient in various hole sections of the development and exploration projects.
- Complete the operations efficiently without any appreciable delay waiting on the first-stage cement to set.

Results

- Weatherford completed the jobs by deploying the model 751 PZ mechanical stage tool combined with 10-ft (3-m) model DBD *BULLDOG* annulus casing packer (ACP).
- The ACP performed exceptionally well, inflating and sealing the annular void in the open hole to permit instantaneous commencement of the second-stage cementing jobs.

Value to Client

- Using Weatherford's *BULLDOG ACP* packer enabled the operator to achieve zonal isolation, which permitted the continuation of the second-stage cement jobs. This saved up to 5 hours of rig time per job for a total savings of approximately 2.5 days of rig time and associated costs over the course of the project.
- The operator was able to complete the cement jobs without breaking down the formation and without having to complete expensive squeeze cementing jobs to satisfy legal requirements.
- The 9 5/8-in. section was of particular importance as the *BULLDOG ACP* packers isolated and protected the sensitive formation, maintaining the environmental integrity of the surrounding region.

Weatherford's discontinuous *BULLDOG ACP* is a discontinuous-rib premium inflatable assembly that runs as an integral part of the casing string. When inflated, the packer provides an annular seal between the casing and the wellbore or a previously installed casing string. For inflation, the packer uses water, cement, or drilling fluid. Cement inflation provides a high-pressure, permanent annular barrier.



Location
France

Well Type
Onshore, oil

Hole Sizes
• 12-1/4 in.
• 8-1/2 in.

Equipment Sizes
• 9-5/8 in.
• 7 in.

ACP Installations Completed
12

Products/Services
• *BULLDOG ACP* packers
• 751 PZ stage tool with 1005 plate
• Bypass plug

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