CASE STUDY

HALLIBURTON

Colombia

EV0-Trieve™ V0 retrievable bridge plug delivers barrier integrity and well conversion

First installation worldwide with 100% Colombian personnel

CHALLENGE

- Engineer solution for temporary well isolation in gas well to facilitate wellhead replacement
- Provide dependable, retrievable downhole API-11D1 V0 barrier
- Expedite equipment preparation and installation

SOLUTION

- Deploy EV0-Trieve™ V0 RBP for temporary downhole barrier
- Validate metallurgy and elastomer compatibility with well conditions
- Optimize installation and retrieval runs

RESULT

- Delivered safe wellhead replacement
- Achieved zero HSE and SQ incidents
- Recovered RBP in good condition for reuse
- Completed first global EV0-Trieve™ RBP installation with 100% Colombian personnel

Overview

An operator in Colombia asked Halliburton to engineer a temporary well isolation solution to facilitate the replacement of a production wellhead. The goal was to convert the well from a natural flow producer to an annular space injector while maintaining selective gas production through the tubing. Halliburton proposed the EV0-Trieve™ V0 retrievable bridge plug (RBP) as a secondary barrier solution based on its proven global performance and compatibility with the well's 7-in. casing configuration.

Challenge

The operator required a fast-track solution to isolate the well and support surface equipment replacement. The intervention needed to provide a dependable, retrievable downhole barrier validated to API-11D1 V0 standards. Halliburton was tasked with delivering a tailored approach that met technical requirements and minimized operational delays.

Completed first global EV0-Trieve™ RBP installation with 100% Colombian personnel

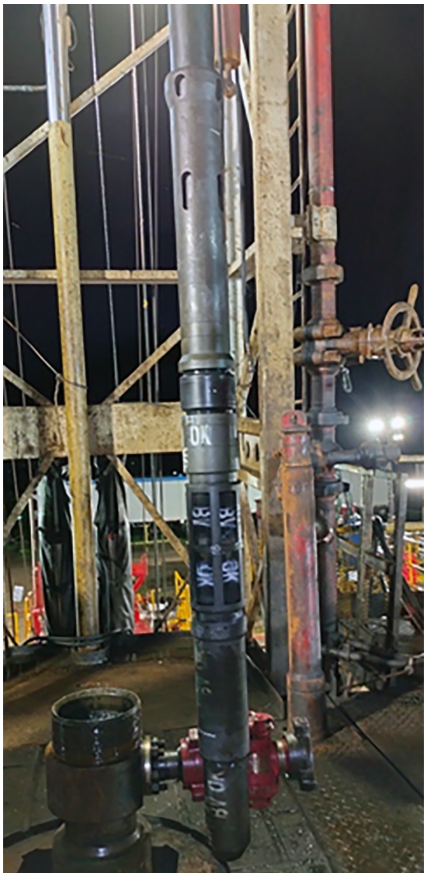
EV0-Trieve™ V0 RBP

Solution

Halliburton deployed the EV0-Trieve™ V0 RBP using wireline and perforating services. The solution was selected based on its decade-long field success and its ability to meet the operator's specifications for metallurgy and elastomer compatibility. The installation was optimized for efficiency, reducing the number of runs required for deployment and retrieval. The plug was later recovered in good condition using a standard GS pulling tool via a third-party vendor, allowing for inspection and redress for future use.

Result

The EV0-Trieve V0 RBP successfully provided downhole isolation, supporting safe removal and repair of the surface wellhead. The operation was completed without any health, safety, or environmental (HSE) or service quality (SQ) incidents. The plug's performance validated its use as a secondary barrier and demonstrated its reliability in well conversion applications. This marked the first global installation of the EV0-Trieve RBP conducted entirely by Colombian personnel, showcasing local capability and collaboration.



» **FIGURE 1** - EV0-Trieve™ RBP before installation with wireline.

» **FIGURE 2** - EV0-Trieve™ RBP recovered in good condition post-job.

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