



Weatherford®

REAL RESULTS

Weatherford's Two-Pod Milling System Saves Blocked Well for PanAmerican Energy in Argentina

Objectives

- Recover a well by unblocking service packer and retrieval tools immovably cemented in place since 1991.

Results

- Weatherford's fishing and re-entry services were used to successfully mill and remove 10 ft (3.05 m) of a packer/retrieval tool and 54 ft (16.5 m) of flash set cement over a total milling time of 23.5 hr.
- The mill was recovered with 50% wear on the cutting surface following the first successful run.

Value to Client

- Weatherford's two-pod milling system enabled the client to regain access to the cased and cemented mainbore that lead to the reservoir, thus eliminating the need to drill a new well nearby.
- The project was successfully completed after one milling run, saving the client significant run time and the associated costs.



Weatherford's two-pod mill is designed and ruggedly constructed to mill wellbore tubulars that are internally and externally cemented. With its enhanced geometry, this mill has exceeded the rate-of-penetration (ROP) performance of standard crushed-carbide and/or insert-dressed mills. This improved performance extends mill life by up to 500 percent over that of standard mills, minimizing the number of trips required for the milling operation and for mill change-out and thereby saving valuable rig time.

Client

PanAmerican Energy

Location

El Triángulo field, onshore, Chubut, Argentina

Casing

5-1/2 in., 17 lb/ft

Well Depth

6,481 ft (1,975 m)

Milling Time

23.5 hr

Mud Weight

8.40 lb/gal

Pumping Rate

110 GPM (500 LPM)

Products/Services

- Fishing and re-entry services
- Two-pod milling system
- CustomCut™ inserts

PanAmerican Energy
Hector Rubén Soto
Well Services
hrsoto@pan-energy.com

Weatherford
Julio Núñez
Fishing and Re-entry Business Unit Mgr.
julio.nunez@la.weatherford.com

Weatherford products and services are subject to the Company's standard terms and conditions, available on request or at weatherford.com. For more information contact an authorized Weatherford representative. Unless noted otherwise, trademarks and service marks herein are the property of Weatherford. Specifications are subject to change without notice. Weatherford sells its products and services in accordance with the terms and conditions set forth in the applicable contract between Weatherford and the client.