



Weatherford®

REAL RESULTS

Fraxis® Annulus Swellable Packer Saves Major Chinese Oil Company Significant Time, Expense in Earthquake Damaged Well

Objectives

- Perform an acid fracturing job in an onshore gas well for a Chinese national oil company. The high H₂S content and natural gas well sustained casing damage caused by earthquakes in the Sichuan province, resulting in environmental and safety hazards and restricted flow.
- Maximize operational and logistical efficiency.

Results

- Weatherford's *Fraxis* annulus swellable packer (ASP) was used and enabled the operator to pass through the restriction in the casing and achieve the necessary differential pressure required.
- The *Fraxis* annulus swellable packer successfully achieved full differential pressure with 10 ft (3 m) of element length, reducing drag while running in hole and the possibility of premature setting, enabling a successful acid frac job.

Value to Client

- Using the *Fraxis* ASP enabled the operator to perform the acid frac job with just 10 ft (3 m) of packer material, saving the client the time and expense of an additional 56 ft (17 m) of packer materials, and the cost of a workover operation.



The *Fraxis* ASP is designed for the challenges of high-performance frac isolation, minimizing the cost and risk of becoming stuck through the buildup of excessive rubber drag.

Location

Pu Guang City, Sichuan Province, China

Well Type

Onshore

Casing Size

7-in., 35 lb/ft with 5 1/4-in. (133-mm) restriction

Tubing Size

3 1/2-in.

Setting Depth

18,602 ft (5,670 m)

Well Depth

20,341 ft (6,200 m)

Products/Services

Fraxis annulus swellable packer

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