



# Weatherford®

## REAL RESULTS

### ComboFrac™ Packers Combine Mechanical, Swellable Isolation, Complete Well in One Trip, Save Rig Costs

#### Objectives

- Install openhole packers in a 6-in. (15-cm) open hole. Originally, the operator had planned to drill a 6 1/8-in. (15.5-cm) open hole, but operational issues forced a 6-in. hole instead, preventing conventional technology from creating zonal isolation.
- Isolate at least 5 ft (1.5 m) of open hole. Conventional technology could not isolate more than 2 ft (0.6 m).

#### Results

- Weatherford deployed the 4 1/2- x 6 1/4-in. *ComboFrac* openhole packer, a part of Weatherford's *ZoneSelect*™ fracturing completion system. The *ComboFrac* packer provides compression-set capabilities using both mechanical and swelling elastomer isolation and the placement of conforming swellable elastomers on either side of the center element.
- The *ComboFrac* packer was installed in a 6-in. open hole, where conventional technology could not be set.
- The longer *ComboFrac* packer element helped mitigate formation fracturing around the packer, a problem with shorter elements.
- The operator successfully completed the well with 7 *ZoneSelect* SingleShot sliding sleeves, 1 *ZoneSelect* toe sleeve, and 10 *ComboFrac* packers, achieving zonal isolation as required.

#### Value to Client

- Using Weatherford's *ComboFrac* packer, with its hydraulic and mechanical components and longer elements, enabled the operator to achieve instant-set isolation in the formation.
- Having mechanical and swellable elements in one packer enabled the operator to achieve in only one trip what conventional technology requires two or more trips to accomplish, saving valuable rig time and associated costs.

Weatherford's *ComboFrac* openhole packer provided both a conventional compression-set element and a conforming swellable elastomer, achieving zonal isolation and fracturing in one trip, saving the operator rig time and associated costs.

**Location**  
China

**Well Type**  
Onshore, oil

**Well Inclination**  
Horizontal

**Hole Size**  
6 in.

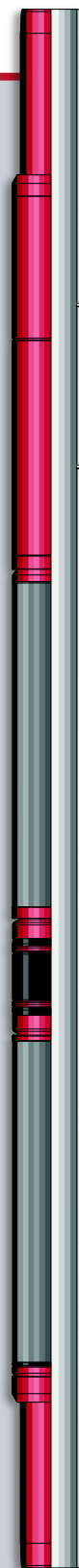
**Depth**  
9,439 ft (2,877 m) TVD  
2,760 ft (841 m) horizontal

**Run Length**  
1,453 ft (443 m) MDRT

**Casing**  
4 1/2-in., 11.6 ppf P-110

**Products/Services**

- *ComboFrac* openhole packer
- *ZoneSelect* fracturing completion system
- *ZoneSelect* SingleShot sliding sleeves



Weatherford  
Iain Greenan  
Applications Engineer  
iain.greenan@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 and may be registered in the United States and/or other countries. Weatherford products named herein may be protected by one or more U.S. and/or foreign patents. For more information, contact patents@weatherford.com. 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.