

# **REAL RESULTS**

## ACP<sup>™</sup> Solution Prevents Another Expensive Cement Squeeze Job in Geothermal Well, Japan

## **Objectives**

- Isolate a severe lost-circulation zone in a geothermal well, and support the cement column above.
- Eliminate multiple, costly cement squeezes.

### Results

- Using an inflatable *ACP* annulus casing packer, Weatherford performed the second-stage cementing with zero incidents.
- The lost-circulation zone was isolated, with the packer providing a reliable, high-pressure seal for full returns of the second stage cement job.

## Value to Client

- Use of the ACP system saved the operator substantial cement costs by preventing uncontrolled losses of cement into the lost-circulation zone.
- The operator avoided a cement squeeze job which had consumed three days in the previous well.



Weatherford's *ACP* inflatable annulus casing packer provides a proven, reliable solution for setting cemented liners without the threat of cement invading the lost-circulation zone.

Location Japan

Well Type Geothermal

Inflation Fluid Water-based mud

Hole Size and Angle 12 1/4-in. vertical

Inflatable Packer Size 9 5/8-in. × 20-ft element

Static Temperature 176°F (80°C)

Liner 9 5/8-in. partially cemented intermediate liner

### **Setting Depths**

- Liner hanger: 1,690 ft (515 m)
- Packer: 1,896 ft (578 m)
- Liner shoe: 3,635 ft (1,108 m)

Well TD

3,645 ft (1,111 m)

### **Products/Services**

- Inflatable packer services
- ACP inflatable annulus casing packer

Weatherford International Ltd. 515 Post Oak Blvd., Suite 600 Houston, Texas 77027 USA Tel: 713-693-4000 www.weatherford.com

Weatherford Wei Loon Kweh, Applications Engineer Kuala Lumpur: +60 3 2168 6000 weiloon.kweh@ap.weatherford.com Weatherford products and services are subject to the Company's standard terms and conditions, available on request or at www.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.