

## **REAL RESULTS**

Successful Cement Inflated ACP<sup>™</sup> Isolates Thief Zone in a Geothermal Well, Saves Operator the Cost of Drilling a Replacement Well

## **Objectives**

• Run liner with ACP and cement inflate to isolate a thief zone and enable a geothermal well to achieve the required waterinjection rate. If this zone could not be isolated, it would be necessary to drill a new injector well.

## Results

- Weatherford's 7-in. 8-in. OD, 10-ft BULLDOG<sup>™</sup> ACP annulus casing packer was successfully run and cement-inflated in a high temperature situation with losses below the thief zone.
- Cement was then placed on top of the liner before pulling out of the hole.
- The thief zone was successfully isolated, and the operator was able to achieve the necessary water-injection rate.

## Value to Client

• Weatherford's successful barefoot cementing job was a first for Chevron Geothermal Indonesia, proving that a cementinflated *ACP* could isolate the loss zone below, saving the well and eliminating the significant cost and time that would have been required to drill a replacement well.



BULLDOG ACP systems provide consistent zonal isolation. These tools possess outstanding strength and expansion capabilities, delivering a permanent, high-pressure seal to protect against even the most hostile conditions.

Client Chevron Geothermal Indonesia, Ltd.

Location Gunung Salak, Indonesia

Well Type Geothermal injector

Hole Size and Angle 9-7/8 in., 5

Packer Setting Depth 5,973 ft (1,702 m) MD

Top of Liner 5,585 ft (1,702 m)

Thief Zone 5,640 ft (1,719 m) MD

**Casing** 7-in., 26-lb/ft, BTC, K55

Products/Services BULLDOG ACP packer

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