Weatherford®

REAL RESULTS

Successful Cement Inflated ACP™ 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 water-injection 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™ *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 cement-inflated *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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