



Weatherford®

REAL RESULTS

Screw-in Whipstock Enables Sidetracking of Mexican Geothermal Well without Need for Cement Plug

Objectives

- Sidetrack an openhole geothermal well after multiple attempts to recover a fish that had failed. Well temperatures up to 554°F (290°C) made a conventional sidetrack with a cement plug impractical. The well's location in a remote area with high rig costs added further complexity to the project.

Results

- Weatherford's screw-in setting tool was used to attach a crossover anchor from the whipstock to the top of the fish.
- The whipstock was then set, eliminating the need for a cement plug.
- With the whipstock in place, the operator was able to drill the sidetrack, using tri-cone insert bits already present at the rigsite.

Value to Client

- Eliminating the need to set a cement plug and perform a conventional sidetrack enabled the operator to proceed with the well.
- Using tri-cone bits already at the wellsite saved material costs, as well as reducing transportation time and expenses.



A Weatherford openhole screw-in whipstock successfully sidetracked this Mexican geothermal well. High temperatures made a conventional sidetrack with a cement plug impractical.

Client

Constructora y Perforadora Latina

Location

Los Humeros geothermal field, Mexico

Formation

Volcanic rock

Well Type

Geothermal

Hole Size

8-1/2 in.

Temperature

518° to 554°F (270° to 290°C)

Setting Depth

4,452 ft (1,357 m)

Products/Services

Weatherford openhole screw-in whipstock

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