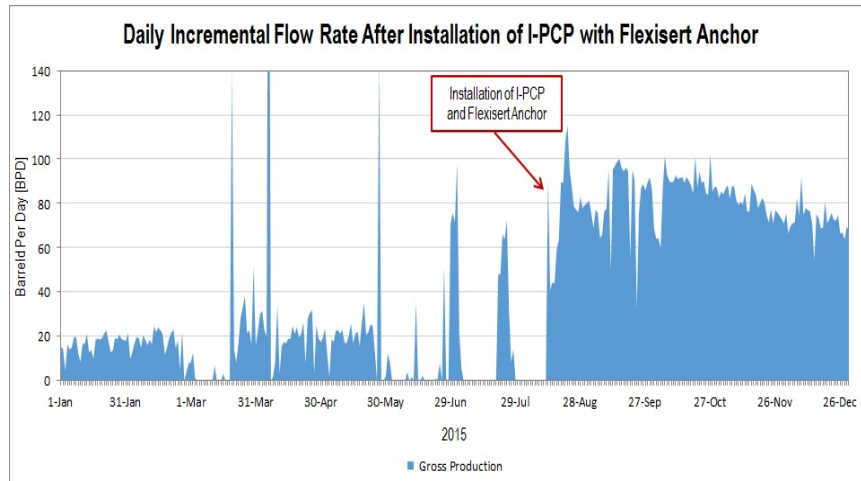


Insertable Progressing Cavity Pump and Flexisert* Anchor Reduce Intervention Costs By 46%, NPT By 71%



Upon installation in a naturally flowing well in Mexico in August 2015, the I-PCP and the Flexisert anchor improved the flow rate from a previous average of 10 B/D (1.6 m³/d) to a new average of 50 B/D (7.9 m³/d).

Objectives

- Resume production in a naturally flowing well in which there was not enough pressure to lift hydrocarbons to the surface.
- Increase the flow rate of the well, which had previously averaged 10 B/D (1.6 m³/d).
- Minimize intervention costs by not using a workover unit.

Our Approach

- Weatherford recommended installing the insertable progressing cavity pump (I-PCP) with a Flexisert anchor because these technologies could be deployed using a flush-by unit rather than a more costly workover unit.
- Using an I-PCP and the Flexisert anchor in combination with a flush-by unit eliminated the requirement to pull the tubing string out of the well for the intervention. As a result, installation was completed within 1 day.

Value to Client

- Installing the I-PCP and Flexisert anchor using a flush-by unit reduced intervention costs from US \$67,561 to US \$36,160. This represents a savings of US \$31,401, or 46%.
- Compared to previous well-service times in the field, the 1-day intervention reduced nonproductive time (NPT) by 71%.
- The Weatherford I-PCP increased the well flow rate to 50 B/D (7.9 m³/d).

LOCATION

Mexico

WELL TYPE

Onshore, horizontal, oil

PUMPING DEPTH

1,161 ft (340 m)

HOLE SIZE AND ANGLE AT PUMPING

DEPTH
7 in., 92°

CASING SIZE

7 in.

TUBING SIZE

3-1/2 in.

ROD-STRING SIZE AND TYPE

1 in., API Grade D

OIL TYPE

7° API oil

POST-INSTALLATION FLOW RATE

50 B/D (7.9 m³/d)

PRODUCTS/SERVICES

- Model 30-1500AY I-PCP
- 3 1/2-in. Flexisert anchor



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