



Weatherford®

REAL RESULTS

Flexisert™ Insertable Progressing Cavity Pump Anchor Reduces Workover Cost by Nearly 80%

Objectives

- Optimize intervention and workover costs of a conventional progressing cavity pumping (PCP) well, without pulling the existing tubing.
- Reduce downtime by eliminating the need for a workover rig.

Results

- Weatherford removed the existing conventional rotor and deployed a 3 1/2-in Flexisert insertable progressing cavity pump (I-PCP) anchor with an Arrowhead® I-PCP above the existing PCP stator with a Flushby unit. To ensure that the pump would always have fluid at the pump intake, the tubing was perforated above the existing stator.
- A workover rig was not needed for this installation because the Flexisert I-PCP anchor eliminated the need for a time-consuming tubing pull, and because the anchor and I-PCP were installed via a Flushby unit.

Value to Client

- Use of the Weatherford Flexisert I-PCP anchor and Arrowhead I-PCP significantly reduced downtime. The overall well intervention time for the I-PCP installation using a Flushby unit was 18 hours; whereas, pulling and re-installing a PCP using a workover rig incurs downtime of 2 to 3 days.
- The client realized a cost savings of approximately 80% (a combination of flushby rate and reduction of intervention downtime) by using a Flushby unit rather than a workover rig to pull the rods with the existing rotor and to install the Flexisert anchor and I-PCP.
- With the Weatherford Flexisert I-PCP anchor and Arrowhead I-PCP installed, future interventions can be done with a Flushby unit instead of a workover rig.



In wells not equipped with a pump seating nipple (PSN), the Weatherford Flexisert I-PCP anchor streamlines installation and removal of insertable PCPs.

Location
South Oman

Installation Date
July 17, 2012 – still operating

Well Type
Vertical oil well

Pump Setting Depth
2,021 ft (616 m)

Flow Rate
20 m³ at 130 rpm

Fluid Type
23 API wellbore fluids

Products/Services

- Flexisert I-PCP anchor
- Arrowhead I-PCP
- Flushby unit

Weatherford
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