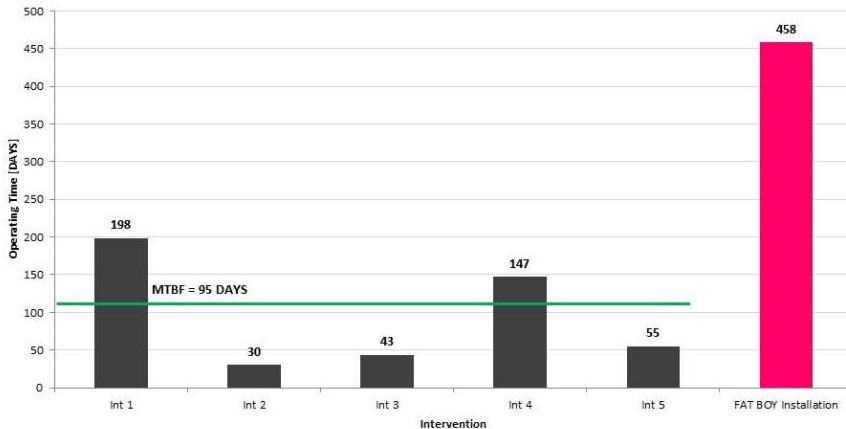


Fat Boy® PCP Model 52

Exceeds MTBF Rate by 400%, Saves \$260,681 in Intervention Costs



As illustrated in the chart above, the Weatherford Fat Boy PCP Model 52 exceeded the MTBF rate by 400 percent.

Objectives

- Increase the meantime between failure (MTBF) rate for the progressing cavity pump (PCP) in an onshore oil well. The well had an average operating time of 95 days between interventions because of high corrosion and sand cut. The high sand cut necessitated sand cleaning operations at least every 30 days and several sand-management techniques proved ineffective.

Our Approach

- Working closely with the client, Weatherford deployed an artificial lift team to create a cost-efficient means of increasing the MTBF for the wells. After an analysis of the wells, the Weatherford team recommended installation of the Fat Boy PCP Model 52, a pump designed for producing high-sand-cut wells.
- The team installed the Fat Boy PCP Model 52 and production resumed at the expected rate of 435 B/D.

Value to Client

- Installation of the Fat Boy Model 52 increased the MTBF rate from 95 days to 458 days, which is an increase of more than 400 percent.
- The increased run life saved the client approximately US \$260,681 in intervention costs.



The Weatherford Fat Boy PCP Model 52 uses a geometry that improves the ability to pump large, solid particles in sand-laden wells.

LOCATION

Barrancabermeja, Colombia

WELL TYPE

Vertical oil

ARTIFICIAL LIFT TYPE

Progressing cavity pump

PRODUCTION RATE

435 B/D

OIL TYPE

24° API

SAND CUT

8% average

PRODUCTS/SERVICES

- Fat Boy PCP Model 52

