



# Weatherford®

## REAL RESULTS

### S-88 Sucker Rods Reduce Rod-Failure Rate in 11 Wells by 63%, Increase Oil Production by 13%

#### Objectives

- Reduce the rod-failure rate for 11 oil wells. Within a 30-month period, the wells had required 8 rod-failure workovers caused by corrosion bursting and heavy loading.
- Increase oil production.

#### Our Approach

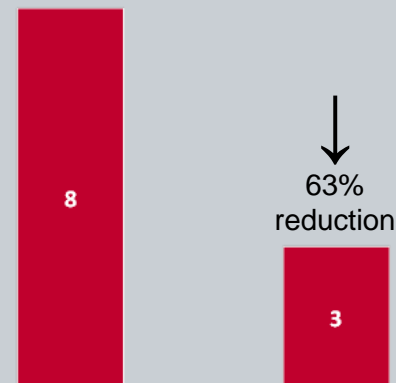
- Weatherford mobilized a reciprocating-rod lift team to analyze the performance of the 11 wells. Because of the pumping depth and high loading, the team recommended the installation of S-88 sucker rods. The rods are constructed from 3130M chrome-nickel alloy steel and then quenched and tempered, which makes the rods ideal for this tough production environment.
- The team installed the S-88 sucker rods in each well and monitored tool and production performance.

#### Value to Client

- Using S-88 sucker rods, Weatherford reduced the rod-failure rate by 63 percent. Over a 30-month period, the number of rod-failure workovers decreased from 8 to 3.
- The rods are working at an average loading increase of 6 percent, which has enabled a 13-percent increase in oil production over the 30-month period.
- By the end of the testing period, four wells had exceeded one year of production without failure. One of these wells has accumulated 10 million operating cycles.

#### Interventions Caused by Rod Failures

(Equal time intervals)



Before S-88

After S-88

Operating over a 30-month period in 11 wells, Weatherford S-88 sucker rods reduced the rod-failure rate from 8 failures to 3, which represents a decrease of 63 percent.

#### Location

Argentina

#### Well Type

Onshore, vertical, oil

#### Pumping Depths

6,135 to 9,583 ft (1,870 to 2,921 m)

#### Products/Services

- S-88 sucker rods

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