

Case Study: Pad Bypass Sleeve

Challenge

A customer in Bridgeport, TX, had a plunger lift well with a depth of 6,760' and slight tubing irregularities. He was using a traditional 9" sleeve and stainless steel ball. The well was producing:

- 5 Bbls of oil
- 25 Bbls of water
- 500 Mcf of gas

Although the well was producing a sufficient amount, the customer wanted to obtain better results.

Solution

PCS Ferguson installed the Pad Sleeve Bypass Plunger with a stainless steel ball to increase production and to create a tighter seal for the tubing irregularities in the well. The plunger ran for three months and PCS Ferguson monitored the well weekly.

In the three-month period, the Pad Sleeve Bypass Plunger traveled about 4,735 round trips in the well, consistently running at 11.5 minutes per trip.

Results

The Pad Sleeve Bypass Plunger successfully increased production in the customer's well and the tighter seal helped achieve significant results.

Water Production
Increased by 20%

Oil Production
Increased by 40%

Gas Production
Increased by 10%

