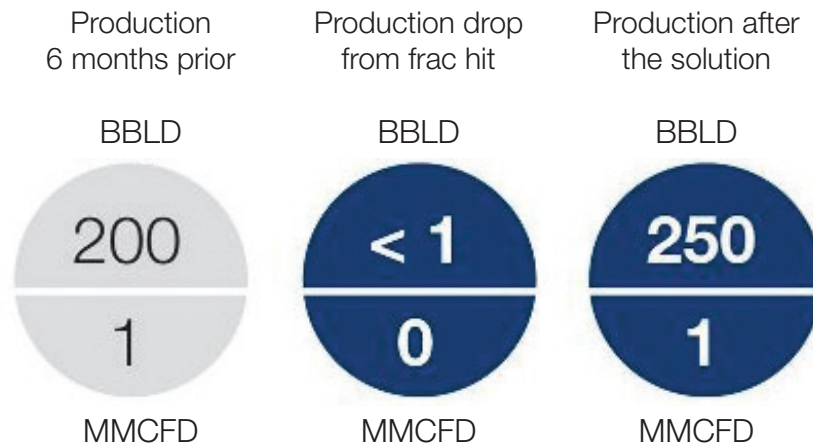


CASE STUDY: Jet Pump System

Dewaters Well in South Texas



* Produced amounts given with as little as 80 HP from surface equipment.

Challenge

An operator in South Texas was unable to recover the fluid and gas of a previously existing horizontal well. He tried to use a sucker rod system for the well, but experienced a significant challenge:

Oil and gas production rates dropped from 200 BBLD and 1 MMCFD to almost nothing.

Solution

After evaluating the well, the Apergy – Hydraulic Lift team decided on the following jet pump system:

- A 1.25" Jet Pump System was installed inside the existing 2.875" tubing
- A 200 HP surface pump
- Power fluid (formation fluid) to pump down the integral joint tubing to the jet pump

Results

- The well's production increased 25% BBLD
- By keeping the well unloaded, fluid stopped migrating to adjacent wells, which continued to flow unassisted
- Produced natural gas continued to be used to power the power fluid pumping unit at no additional cost to the operator

