



CASE HISTORY

Unconventional Resources

PosiFrac® Straddle System

STRADDLE TEST & TREAT

Acid Stimulation Required for Plugged Screen/Gravel Pack

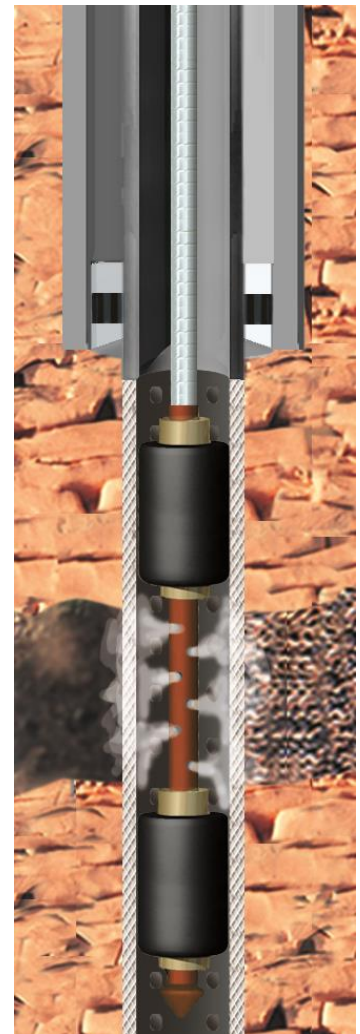
Location: Trinidad



CHALLENGE: A gravel-packed oil well, offshore Trinidad exhibited severe decline in production rate as a result of calcium carbonate scale buildup in the screen. The nearly vertical well was completed with a 3 ½ in. gravel-packed screen in a sandstone reservoir with known scale buildup problems with time and associated water production.

SOLUTION: A 2-5/8 in. OD multi set inflatable straddle assembly (PosiFrac® Straddle System) was run on 1-3/4 in. coiled tubing and inflated inside the blank section of each 3-1/2 in. screen joint. One hundred gallons/ft of 7-1/2% HCL acid was pumped at matrix rates to remove the scale. The straddle tool was reset across each of 12 screen joints and the acid treatment repeated.

RESULTS AND BENEFIT: The well was placed back on production with a threefold increase in total production rate.



PosiFrac® Straddle System