**CASE HISTORY**

Unconventional Resources

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**STRADDLE TEST & TREAT**

Acid Stimulation Required for Plugged Screen/Gravel Pack

**Location:** Trinidad

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**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.