

# Enabling Planned Completion

CASE HISTORY

## Central Texas, USA

### Challenge

The vertical section of a 9,433 MD gas well in Central Texas was damaged prior to the initiation of the completion program. The vertical section needed to be repaired in order to perf and frac the target zones. However, the repair process would reduce the wellbore ID and impact the plan to differentially frac five zones in the horizontal section.

### Objective

Implement a cased-hole SET® solution that would enable targeted completion with packer seats while also repairing the damaged vertical section of casing.

### Results

Five 4-1/4 x 5-1/2 in. cased-hole SET® systems were installed in the horizontal section of the well to serve as packer seats (anchor hangers) with a sixth system covering the damage in the vertical section. The liners were run in place and expanded over a four-day period. This allowed the operator to successfully complete the targeted production zones as planned. This was the first time six expandable liners have been installed in one well.

### Value Added

By installing the SET® systems, the operator was able to:

- avoid a redrill and utilize existing wellbore
- complete the natural gas well on plan producing 1.2 million cubic feet of natural gas per day

