

Case Study

ESeal™ HP Liner Reclaims Woodford Shale Well - Saves \$8MM Investment

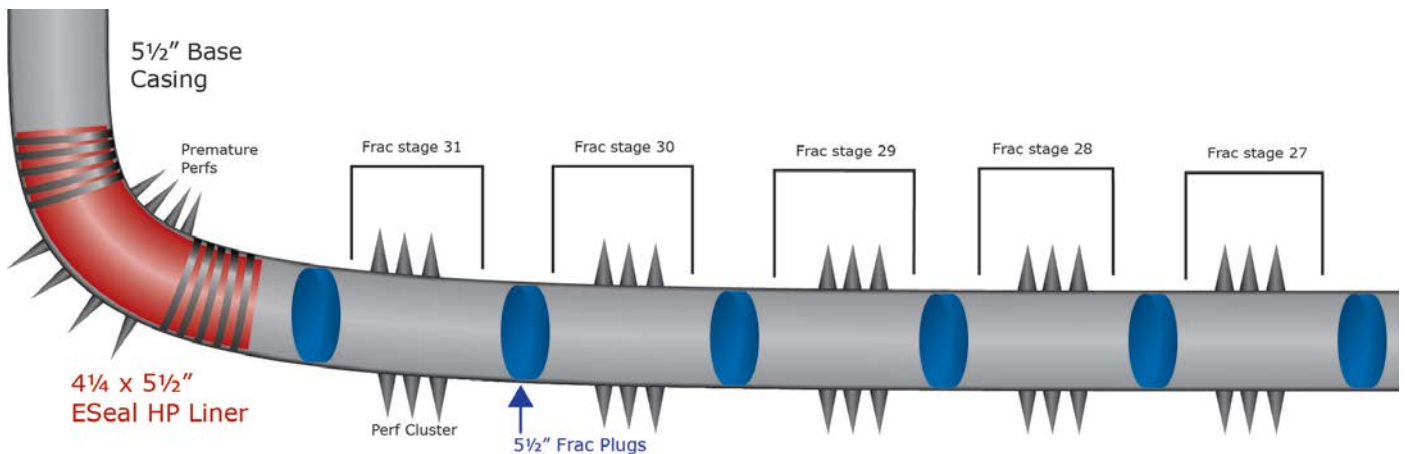
Challenge

A major Mid-Continent Operator faced having to abandon a well due to perforations prematurely shot in a horizontal well's build section (heel). The Operator needed a solution that could not only cover four sets of perforations in order to resume the fracturing program, but also withstand the 12,500 psi fracture pressures—all while maintaining the ID needed for 5-1/2 in. frac plugs to pass through.

Added Value

- ▶ **Completion Date:** November 2014
- ▶ **Location:** Grady Co., OK, USA
- ▶ **Basin:** Woodford Shale
- ▶ **Well Type:** Horizontal
- ▶ **Base Casing:** 5-1/2 in.
- ▶ **Solution:** 4-1/4 in ESeal HP Liner
- ▶ **Depth:** 13,135 ft (4,003 m)
- ▶ **Liner Length:** 256 ft (78 m)

The ESeal HP Liner was the only viable option for the Operator's high-pressure fracturing treatment. The high-pressure solid expandable liner was successfully installed and tested to 13,500 psi; the fracture treatment resumed (*31 stages below the ESeal HP Liner per their fracturing program*). The well was stimulated with an average treating rate (ATR) of 85 BPM, 9,000-10,000 psi average treating pressure (ATP) and maximum treating pressure (MTP) of 12,500 psi, thus protecting the \$8MM investment.



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