

## WHERE HAS THE WOLF™ BEEN DEPLOYED?

### WHAT WERE THE RESULTS?

We've successfully deployed The Wolf™ on hundreds of onshore wells using this compression-based gas lift approach. In fact, we recently completed a study involving eight wells on a single pad near Big Spring, Texas. In this test, The Wolf™ High-Pressure Gas Lift (HPGL) was installed on one of these wells, with the other 7 wells as a control group with conventional ESPs.

[Read the case study.](#)

### AM I GOING TO HAVE TO CHANGE MY WELLSITE DESIGN?

Probably, but likely nothing real significant. Of prime importance is ensuring that the component (piping, fittings, etc.) pressure ratings are adequate. Also, with the likelihood of increased production, you should ensure that your production separator is capable of handling anticipated fluid rates.

Generously sized flow lines (wellhead to production separator) are critical for maximizing production and should be evaluated as well. For a good overall discussion of the topic, reference our case study, specifically the section titled: Description of Application of Equipment and Processes.

We love making site visits and meeting with operators to discuss about their wellsite design and are happy to offer up practical commentary about how to best prepare for implementing The Wolf™.

### IS HPGL ONSHORE DIFFERENT THAN THE OLD TECHNOLOGY USED OFFSHORE?

It's a different application, but high-pressure gas lift has been safely deployed on hundreds of wells across the United States.

## IS HIGH-PRESSURE GAS LIFT COMPRESSION SAFE?

The phrase “High-Pressure Gas Lift” sounds more intimidating than it should. HPGL utilizes pressures higher than conventional gas lift, but far below frac pressures. The system is completely safe and comes with complimentary safety training for your crew. Estis hydrotests all fabricated process components for design and fabrication integrity. All process pipe and pressure vessels are hydrotested to 1.3 times the Maximum Allowable Working Pressure (MAWP). In the history of applying this technology onshore, there has never been a safety incident.

For a more thorough treatment of what Estis Compression has done to ensure the safety of The Wolf™, please see our [HPGL FAQ](#).

## WE STILL HAVE QUESTIONS ABOUT THE SAFETY OF HPGL, WHAT ELSE CAN YOU DO TO HELP US WORK THROUGH THESE QUESTIONS?

A Process Hazards Analysis (PHA) or a Hazard and Operability study (HAZOP) can be a great tool to review design details of the equipment, the potential hazards and how they are mitigated by the engineering controls. Estis routinely takes part in these analyses and is happy to be part of yours.

