

# Presentation

# Summaries:

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<http://www.alrdc.com/seminars/2017%20alrdc%20seminar%20for%20new%20artificial%20lift%20technology/main.htm>

## Presenter

Jeff Saponja, CEO, HEAL Systems

## Title 1

A Single Completions Solution: Enhance frac flowback, extend natural flow period to cost effectively transition to artificial lift

## Abstract

As Operators plan for completions to set the environment for optimized production, they often wrestle with the quantity and timing of equipment changes to increase production drawdown without compromising downhole pump reliability. Prior to final completion, Operators seek expedited frac flowback and plan to capitalize on the natural flow period to transition into artificial at an ideal time to achieve the greatest returns at lowest cost. Once artificial lift is in place, Operators find these goals are often compromised by slug flow behaviour from the horizontal causing production challenges.

HEAL Systems has developed a single completions solution installed at the initial completion to enhance frac flowback, extend natural flow period and cost effectively transition to artificial lift. This presentation demonstrates this single completion solution through several Permian Basin case studies.

## Title 2

### Cost effective offset well frac hit protection solution

A frac hit occurs when an offset well is fracture stimulated and the fracture communicates with another wellbore. As activity in the Permian is on the rise, so is the desire for frac hit protection. A frac hit can cause severe damage to the artificial lift system. Wells that have experienced a hit may fill with sand resulting in productivity losses. Worst case scenario a frac hit may even cause a well control event with excessive pressure to the surface. Today's method to protect against frac hits often involves pulling the full artificial lift system and production string to run a deep bridge plug that protects the well.

HEAL Systems has developed an efficient frac hit protection solution that offers slickline retrievable components providing access to set a deep barrier. No tubing movement is required to install, and there is an option of a pressure gauge recorder.

Prior to offset well fracture operations a slickline unit pulls the prong and installs a standard profile blanking plug as a deep barrier that protects from offset fracs. Post-offset well frac, the plug is retrieved and the well put back on production. All operations are performed with the production tubing left in place, significantly reducing cost over the conventional options.

## Biography

### Jeff Saponja, CEO, Production Plus Energy Services Inc.

As Chief Executive Officer of Production Plus Energy Services Inc., Jeff Saponja is an entrepreneurial leader in the oil and gas industry. It was during Jeff's tenure at TriAxon Oil Corp. that he and his team at TriAxon were able to identify the root cause of horizontal artificial lift challenges. Their drive for innovation resulted in the design and development of the HEAL System™ and the subsequent creation of Production Plus Energy Services Inc. With over 18 months of field use, the HEAL System has over 100 installs across North America.

Jeff's executive career was prefaced by an accomplished work history including positions with Weatherford Canada, Shell (UK) in the North Sea, and Husky Energy (Canada). In senior engineering positions Jeff acquired extensive technical experience in horizontal underbalanced drilling, multi-stage fracture stimulation, and artificial lift.

Jeff holds a B.Sc. in Mechanical Engineering from the University of Calgary and completed an MBA at the University of East Anglia in the United Kingdom.