

ProReact Acid is highly effective, safer and less damaging to downhole equipment.

## ProReact Acid

### Business Need

One of our customers in Western Canada was looking for an alternative scale-stimulation treatment to traditional hydrochloric or organic acid remediation, to ensure better oil and gas production. The customer required an effective treatment that was environmentally friendly.

### Trican Solution

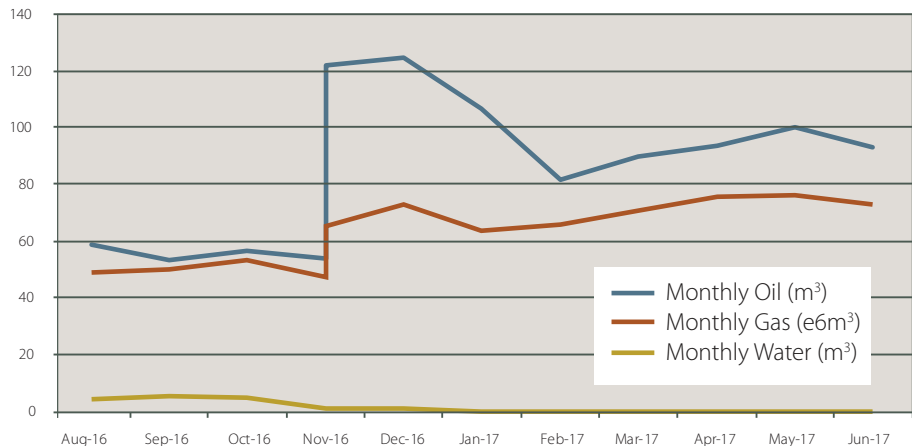
Trican developed the ProReact synthetic acid system, a non-volatile, safe alternative with effective stimulation results for oil, gas and water injection/disposal wells.

ProReact Acid helps minimize the effect of hazardous chemicals on the environment, people and downhole equipment. Available in different concentrations, we used ProReact Acid as an effective scale remover for our customer.

Details of the work:

- ProReact Acid – 25% concentration
- Volume ranges from 2.00 - 10.0 m<sup>3</sup> per well
- Results of the treatment: the wells treated with Trican ProReact Acid responded positively with the chemical treatment

72-08 W6 Monthly Production  
ProReact Acid Treatment: November 19, 2016



## The Trican Advantage

Though it costs more than traditional acid systems, customers are opting for ProReact Acid because it is highly effective, safer and less damaging to downhole equipment.

ProReact Acid is an alternative to traditional hydrochloric and organic acids used in oilfield stimulations such as matrix treatment and fracturing. Compared to traditional hydrochloric acid, this synthetic acid is less volatile and has low reactivity to metals, so there is less corrosion. ProReact Acid reacts slower than hydrochloric acid and can penetrate deeper into the formation. Trican also enhances ProReact Acid with additives to ensure compatibility between the formation fluid and the acid blend.



Reaction of 30% ProReact Acid compared to 10% HCl Acid

## Case Study Snapshot

### Challenge:

- Customers are looking for an alternative to traditional hydrochloric or organic acid remediation treatments that is both effective and is environmentally friendly.

### Trican Innovation:

- Trican developed the ProReact Acid system, a non-volatile, safe alternative with effective stimulation results for oil, gas and water injection/disposal wells.
- ProReact Acid has a prolonged reaction time, allowing it to penetrate deeper into the formation.

### Results:

- The wells treated with Trican's ProReact Acid responded positively with the chemical treatment.
- Though it costs more than traditional acid systems, customers are opting for ProReact Acid because it is highly effective, safer and less damaging to downhole equipment.