

## Frac Hit Mitigation with Frac-Hit Guardian™

Nitro-Chem's Frac-Hit Guardian™ provides proprietary micro-emulsion/nano surfactants for uses in protecting parent wells from offset fracs

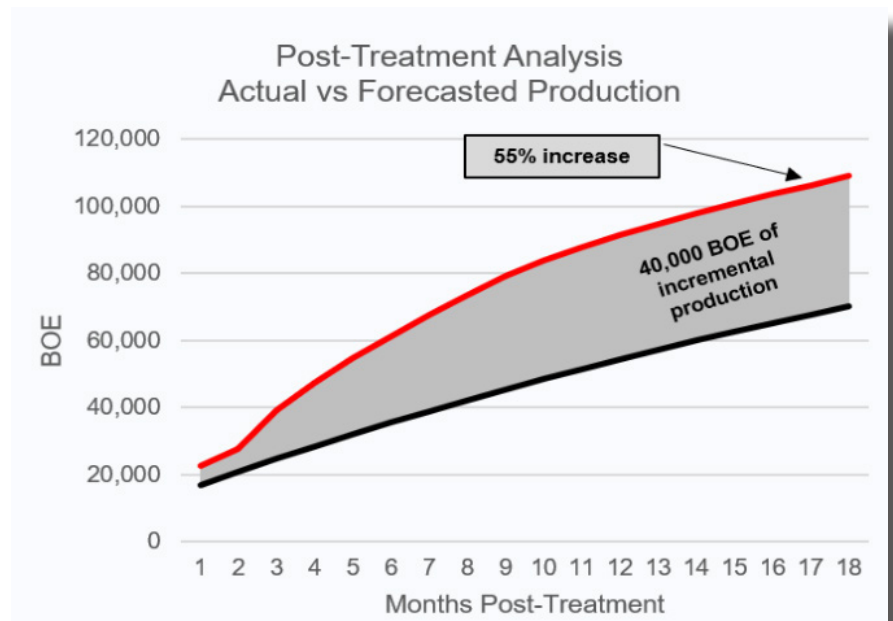
### Designed as frac hit protection treatment:

When incorporated into frac fluids, Frac-Hit Guardian™ facilitates:

- ▶ 3 wells injected with 120 barrels of Frac-Hit Guardian™
- ▶ Soak/diffusion time of 2½ weeks while in-fill wells were being completed
- ▶ Wettability alteration to create a post frac favorable fluid flow

### Frac Hit Mitigation Results – Eagle Ford Shale

▶ Frac-Hit Guardian™



### Unparalleled Frac Hit Protection: Frac-Hit Guardian™

Creates a temporary stress barrier, improves fines migration recovery and recoverable offset frac fluid.

### Enhanced Fluid Mobility: Frac-Hit Guardian™

Improves contact angle, decreases surface tension and interfacial tension which leads to frac fluid mobility and enhanced hydrocarbon recovery.

