



PROPELLANT SYSTEMS OVERVIEW

Our unique propellant systems can be deployed on wireline or tubing to maximize well performance. Engineered with military-grade material, Kraken® and GasGun® are powered by patented progressively burning propellant designed to improve perforating efficiency and deliver improved productivity or injectivity.



KRAKEN VS BASIC PERFORATING

- Add Kraken propellant boosters to any perforating gun
- Kraken propellant overcomes reservoir-damaging effects from basic perforating
- Shaped charges create damage by crushing and compacting nearbore rock
- Kraken pressurizes perforations at a speed that creates tensile fractures past damage

KRAKEN APPLICATIONS

- Injection and Production wells - SWD, EOR, New completion, Add-pay
- Improve performance of acid or frac by breaking down each tunnel during perforating
- Replace small acid and frac jobs
- Break past nearbore damage

SPECIFICATIONS

- Fracture up to ten feet into the formation
- Available for gun sizes of 2-3/4, 3-1/8, 4, or 4-1/2 inches (70, 79, 102 or 144 mm)
- Temperature rated to 280°F (138°C) for 1 hour



KRAKEN



GASGUN VS BASIC STIMULATION

- High fracture efficiency - all perforations receive high-pressure before leak-off occurs
- Progressively burning propellant with track record in over 15,000 wells
- Engineered for thru-tubing, cased hole, open hole, slotted liners
- ESG benefits - reduces need for acid and frac
- Deployed on wireline, TCP, CT

GASGUN EFFECTIVENESS - PRODUCTION AND INJECTION

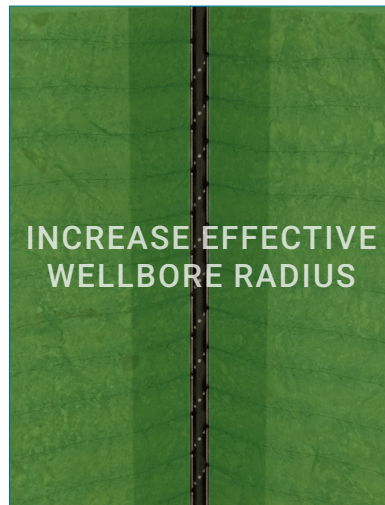
- Removes skin damage
- SWD - Increase injection rates
- EOR - Improve production rates and injection conformity
- Re-complete - stimulate open hole or co-mingled zones without isolation equipment
- Replace hydraulic frac in permeable formations

SPECIFICATIONS

- 100% propellant stimulation tool - does not perforate
- Fracture up to 35 feet into the formation
- Tools available for application through 2-3/8 inch tubing and larger
- Temperature rated to 280°F (138°C) for 1 hour



INCREASE YOUR EFFECTIVE WELLBORE RADIUS



IMPROVE WELL PERFORMANCE

Enhanced Energetics has been manufacturing high-performance completion tools for over 30 years. Our propellant systems are proven to greatly improve traditional perforating and stimulation methods. As part of the SWM Technologies family, we have the technical capability, knowledge, and engineering expertise to deliver value to operators across the globe.

FOR MORE INFORMATION, CONTACT

JD Schmidt

Chief Operating Officer & Technical Advisor

JD.Schmidt@enhancedenergetics.com

+1 (480) 620-7404

Whit Albrecht

Business Development Manager

Whit.Albrecht@enhancedenergetics.com

+1 (361) 648-6755



enhancedenergetics.com