GR Energy Services has developed the ZipDrop® optical remote ball dropper to optimize safety, wellsite efficiency and transition time between frac stages. The patent pending, proven technology has been integrated into the ZIP® Intervention Platform to help operators increase total available pumping time, reduce risk and lower the total cost of operations.

Unlike conventional plug-n-perf operations that require personnel to work at heights to deploy frac balls by hand, ZipDrop equipment safely deploys balls with a high-powered, infrared, remotely controlled trigger mechanism. Pulses of infrared light, which are invisible to the human eye, are highly reliable and ensure a perforating-safe environment. A long-range visual drop indicator is visible in all weather conditions, and an induction-based sensor detects ball drops. A green LED window indicates a successful drop, and a red light indicates a ball drop did not occur.

Specifying ZipDrop equipment for frac and refrac operations locks in several advantages:

- Reduces risk—no personnel dropping balls at height in a high-pressure zone
- Speeds up wellsite operations to significantly lower transition time between frac stages
- Securely encoded infrared binary-code signal prevents ball drop triggering from other sources of infrared light
- Fully reloadable outside the red zone so fracture operations can continue

Contact a GR representative for more information on ZipDrop equipment and the ZIP Intervention Platform. Compare the impact this technology makes on the challenges posed by today’s horizontal well completions and you’ll see a measurable difference that adds significant bottom-line value.

*Mark of GR Energy Services