

# INTERRA'S UNLIMITED SYSTEM REDUCES TOTAL COMPLETION TIME BY 43% IN EXTENDED REACH LATERAL

LOCATION: CHARLIE LAKE  
FORMATION

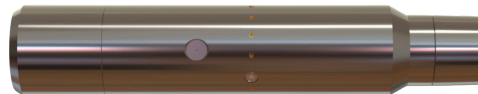


## CUSTOMER OBJECTIVE

An operator working in the Charlie Lake formation of northern Alberta was drilling increasingly longer laterals and required a completion system that could be successfully deployed into long-reach applications. Completing extended reach wells can be challenging if coiled tubing is required. Due to the limited forces available at the bottom portion of the lateral, manipulating coil shiftable sleeves or milling operations can be time-consuming and expensive, if even possible.

## RPG UNLIMITED™

## TECHNOLOGY HIGHLIGHTS



## SOLUTION

The operator deployed a hybrid cemented completion with 30 stages of Interra's RPG™ (Replace Perforating Guns) Unlimited Stage System in the toe stages of the well.

The RPG System can be combined with several different completion systems—plug-and-perf, ball-drop, or coil-shiftable sleeves—or run as a stand-alone system. This technology offers operators the option to drill extended reach laterals without the challenges that can accompany coiled tubing.

The system has a consistent large seat ID from toe to heel, enabling unlimited stages, and a sleeve design that is proven, simple, and reliable. As the plug passes each RPG Sleeve it registers as a “count.” When the intended number of counts is observed, the plug engages and shifts open the target sleeve. With the sleeve open and the plug locked in place to isolate the stage, the stimulation is pumped and followed with the next plug, programmed to “count” to open the next targeted sleeve. Following stimulation of all stages, flowback can begin immediately through the center of the plug, without intervention.

- Eliminates intervention from install to flowback.
- Unlimited stage count and unrestricted lateral length.
- Built-in screenout recovery feature.
- High-pressure and high-temperature capabilities.
- Large bore ID, no rate restrictions.
- Increase cluster efficiency with customizable, limited entry erosion-resistant nozzles.
- Fully dissolvable WFP options.
- Reduces frac time with continuous pumping operations.
- Reduces costs and improves safety while requiring fewer services on location.
- Millable seats.

## RESULTS

The well had a measured depth of 8,242 m with a 3.5:1 MD to TVD ratio. The system was successfully installed, and all RPG stages at the toe of the well were effectively stimulated in just 20.4 hours, which was approximately 43% (15 hours) faster compared to traditional completion methods run in the past and a significant cost saving.