

# Smart Dart Full Wellbore Completion System Provides Significant Time and Cost Savings For North American Operator

## CHALLENGE

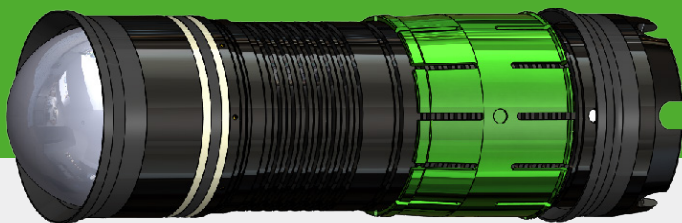
Operator was looking for a more efficient and technologically advanced system to complete their wells while also looking to reduce costs. With previous completions as a benchmark, they were looking to:

- + Increase frac rate especially at the toe of the well
- + Lower overall cost of completions by replacing coil tubing and other associated services
- + Increase overall efficiencies

## SOLUTION

The Wellboss Company proposed using the Smart Dart Large Bore Completion System.

The Smart Dart technology uses proven concepts to improve efficiencies while completing a well. This simple and cost effective solution gives operators flexibility in stimulation design. The Smart Dart Large Bore Completion System "Smart Dart" is designed to enable full bore communication between the well bore and reservoir through casing installed sleeves.



**Smart Dart System Proven to Provide Success with Significant Reduction in Time and Cost.**

## SMART DART LARGE BORE COMPLETION SYSTEM

### WELL PARAMETERS

- + Formation: Glauconitic SS
- + Total Stages: 32 (Full Wellbore)
- + Casing: 4.50" 15.1# P110
- + TVD: 2,480m (8,136 FT)
- + MD: 4,058m (13,313 FT)

### FRAC PARAMETERS

- + Max Pump Rate During Frac: 7m<sup>3</sup>/min (~44bbls/min)
- + Max Dart Pump Down Rate: ~5m<sup>3</sup>/min (~31bbls/min)
- + Dart Landing Rate: 2m<sup>3</sup>/min (12bbls/min)
- + Max Frac Fressure: 80MPa (~11.6KSI)

### Sand per Stage:

- + AVG: 37T (~82Klbs) – .9T/m (~600lbs/ft)
- + Max: 44T (~97Klbs) – 1.1T/m (~740lbs/ft)