

# Eliminator® GT Series Stage Tool Withstands High-Volume Vertical Cementing and 26-Stage Fracturing

## Objectives

- Provide stage tools that enable a high-volume, 345-barrel cement job above the tool in a deep-set application. The tool must then withstand the 15,000-psi (15-ksi) pressures and high fluid volumes of multi-stage fracturing in the horizontal openhole section.

## Our Approach

- Weatherford deployed a comprehensive cementing and stimulation package, including a team of technicians, the ZoneSelect® fracturing completion system with openhole hydraulic-set packers, and the Eliminator GT series stage tool. Because of the high pressure and fluid volumes expected during stimulation, the team customized, tested, and qualified the stage tool with upgraded seals and modified internal geometry to function at temperatures up to 350°F (177°C).
- The team ran the Eliminator GT series stage tool on a 4.5-in. production casing string and installed it at a depth of 11,765 ft (3,586 m) and 80° deviation.
- In the lateral openhole section below the stage tool, the team installed a 26-stage openhole ZoneSelect system and float equipment.
- The stage tool facilitated a secure cement job with no issues or nonproductive time. Next, the team milled out the inside diameter (ID) of the Eliminator GT series stage tool and performed a 7,250-psi (7.25-ksi) pre-stimulation casing integrity test.
- During stimulation operations, the Eliminator GT stage tool was exposed to 26 internal pressure cycles of nearly 15,000 psi (15 ksi) with only cement and reservoir pressure backing up from the annulus side. The stimulation was completed on schedule.

## Value to Client

- Weatherford cementing and stimulation tools enabled the operator to efficiently cement a deep-set section of a well and then stimulate 26 zones in the openhole section.
- The high-pressure rating of the Eliminator GT series stage tool reduced the risk of losing casing integrity both before and during well stimulation.
- The operation established an environment in which stimulation was completed as designed and on schedule.

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The Weatherford Eliminator GT series stage tool (Model 756) has hydraulically opened ports that enabled both stimulation and cementing through an 80° deviation.

## LOCATION

Alberta, Canada

## FIELDS

Ansell Field

## WELL DEPTH

17,715 ft (5,400 m)

## LATERAL SECTION LENGTH

6,233 ft (1,900 m)

## HOLE SIZE

6.25 in.

## HOLE DEVIATION

80° at the stage tool

## PRODUCTS/SERVICES

- Eliminator GT series stage tool Model 756 PD
- ZoneSelect millable debris barrier
- ZoneSelect SingleShot frac sleeves
- ZoneSelect openhole packer
- ZoneSelect RD toe sleeve
- ZoneSelect KLC lockable ball seating sub
- Single-valve float collar
- Single-valve float shoe

