



Weatherford®

REAL RESULTS

ZoneSelect® SMART Toe Sleeve Allowed Operator to Hold 10,900 psi Pressure Test for Indefinite Period in the Eagleford Shale

Objectives

- Install tandem toe-shoe sleeves to allow casing integrity test to be applied then allow access to the formation without well intervention.
- Establish a circulation path to allow the toe section of the wellbore to be fractured and a circulation path for plugs to be pumped in the well.
- Allow two full working-pressure tests and open tandem toe sleeve without exceeding the test pressure.
- Eliminate the need for intervention to prep the toe section of the well.

Results

- Weatherford successfully installed the tandem toe sleeves and a wiper plug was pumped, bumped, and pressure tested without activating the smart toe sleeve.
- A 10,900 psi pressure test was successfully applied for a 30-minute hold period.
- The smart toe sleeves were successfully opened and wellbore access was established.

Value to Client

- Use of the Weatherford ZoneSelect SMART toe sleeve allowed the operator to apply two full working pressure tests with an unlimited test period.
- Operator experienced a 60 percent cost savings due to the elimination of traditional toe-prep equipment.
- Operator gained the ability to open multiple toe sleeves in series to maximize the flow area and increased toe stage effectiveness.
- Personnel and footprint was reduced on location, improving safety.



Weatherford ZoneSelect SMART Toe Sleeve allows the casing string to be tested to its full working pressure, with an unlimited hold period and without exceeding the working pressure. Placed at the bottom of the completion string, the SMART toe sleeve actuates and opens after two internal pressure applications. Once the SMART toe sleeve is open, ZoneSelect composite plugs can be pumped downhole for stimulation.

Location
South Texas, USA

Formation
Eagleford Shale

Well Type
Onshore

Inclination
Horizontal

Test Pressure
10,900 psi

Openhole Size
8-3/4 in.

Casing
5-1/2 in.

Depth
18,000 ft (5,486 m)

Products/Services

- ZoneSelect Smart Toe Sleeves
- Cementation Dual Float Shoe
- Cementation Landing Collar
- Cementation Double Latch Down Plug

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