# WellBoss
GET MORE FROM EVERY COMPLETION

# Zone Starter Toe Sleeve Saves the Day! Insurance You Don't Get With Wet Shoe.

## CHALLENGE

Anytime an operator starts in the hole with casing the last thing you want to do is pull back to surface. An operator in the NE was faced with this challenge and a decision had to be made. The issue was encountered once TD was reached,  the flotation collar was activated, and the float equipment failed to gain circulation - casing is full of mud, no circulation. What will you do, spend days tripping wet casing or consider coil deployed perforation options at the toe?

## SOLUTION

Fortunately, the operator had an option that wasn't typically available without the use of a Zone Starter Cycling Toe Sleeve. In normal cases, Zone Starters are used to achieve casing pressure integrity testing followed by gaining access to the formation after cementing.  By cycling the Zone Starter which is capable of resisting the mud hydrostatic, it operated exactly as planned and circulation was regained. Next, the operator decided to commence the cementing operation where a wiper plug was pumped down above the toe sleeve and pressure was held for 8 hrs. Operation complete!

On completion day, cement was milled out past the two toe sleeves which were originally planned to be frac'd through. Acid was then spotted on the sleeves and formation access was established at a rate that made the operator comfortable with commencing the frac operation as originally planned!

## Zone Starters - Designed for reliability no matter the situation!

### ZONE STARTER CYCLING TOE SLEEVE

+ Casing = 5.5" #20
+ True Vertical Depths = 8,600'
+ Total Depths = 24,500' +
+ Static Temperature = 160°F
+ Opening Pressure = 3,000 psi

### BENEFITS

The technologically evolved design of the Zone Starters allow operators to:

+ Cycle pressure multiple times to achieve casing integrity tests up to casing burst with no time limit
+ Install multiple sleeves with variable port sizes and confidentially open all sleeves after bleeding off pressure test - Frac away
+ Accurately perform DFIT with low opening pressure