



Weatherford®

REAL RESULTS

MetalSkin® Solid Expandable System Expands Production Tubing, Increases Production Flow

Objectives

- Increase production by replacing conventional liner with solid expandable liner to complete the well with a larger production string. The maximum conventional liner size that could be used was 3 1/2 in. This would result in serious limitations at the production phase of the well.

Results

- Weatherford successfully deployed the 6-in. x 7 5/8-in. MetalSkin solid expandable system. The run and installation of 1,275 ft (337 m) of bottom-up expandable liner from 14,468 to 15,702 ft (4409 to 4786 m) represented the second run of this type of technology in Venezuela and the deepest in Latin America.
- The installation of a bottom-up expandable liner, with an open hole enlarged to 7 1/2 in., was successfully accomplished.

Value to Client

- Compared to conventional methods, the use of solid expandable liners within the well design enabled the operator to complete the well using a 4 1/2-in. production liner, meeting the completion diameter requirements and improving production potential.
- The expandable liner run and installation took place without any safety incidents or setbacks, and the operator maintained its drilling schedule.



The MetalSkin solid expandable system is a hydraulic bottom-up expansion system that uses the expandable casing as a pressure chamber to pump the swaging mandrel (the cone) from the bottom of the expandable liner to the top.

Location

Aguasay, Venezuela

Field

Onado

Well Type

Onshore, re-entry

Hole Size

Underreamed to 7 1/2 in.

Depth

14,468 to 15,702 ft (4409 to 4786 m)

Casing

6-in. x 7 5/8 in. MetalSkin

Products/Services

- MetalSkin Solid Expandable System

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