

*Case History*

# Longest 4.75-in. EXPress™ Expandable Screen System Run to Date

## Problem

The operator wanted an expandable screen system that would withstand high collapse forces and run in onetrip for a workover well.

## Solution

- Baker Oil Tools offered the EXPress expandable screen system because of the mechanical radial stiffness of the screen being capable of withstanding high collapse forces and because the simplicity of the Baker catEXX™ running tools allows for a true one-trip system
- A 6.125-in. openhole horizontal single lateral was drilled from a 7-in., 26-lb/ft liner. The total depth of the well was 9,131 ft (2783 m) with a 7-in. casing shoe placed at 7,264 ft (2214 m) measured depth
- The staged piston assembly provides force to the cone to yield the EXPress expandable pipe with no more than 4,000 psi down to the work string. Piston stroke and catEXX depth repositioning (set down weight) provided a full expansion of the complete bottom hole assembly downhole

## Results

- The one-trip running tool carried the EXPress system down-hole
- A total of 92 joints of EXPress screen, 11 joints of EXPress blank pipe, an EXPress bull plug and an EXPress FORMlock™ expandable hanger were successfully run to total depth and expanded in one trip
- A total expansion length of 1,968.8 ft (600 m) resulted in a fully expanded sandface completion
- All tools were successfully retrieved, marking this flawlessly executed job as the longest 4.75-in. EXPress expandable screen run to date and proving the robustness and simplicity of this technology

## Project Details

**Location:** Saudi Arabia

**Date:** May 2008

**Liner Size:** 7 in., 26 lb/ft

**Open-Hole Size:** 11,579 ft

**Total Depth:** 9,131 ft

**Maximum Deviation:** 90 degrees

### Baker Oil Tools Equipment

- FORMlock EXPress liner hanger
- 92 Joints of 4.75-in. EXPress screen
- 11 Joints of 4.75-in. EXPress blank pipe
- EXPress bull plug



*Well Schematic with EXPress™*