

Integrated Lower Completion With SwageSet Liner System and Maxflo® Screen Installation Uses Minimal Crew to Deliver OPEX Savings



The SwageSet system is prepared for installation.

Objectives

- Install 4 1/2-in. liner with a V0-rated, gas-tight liner-hanger system and robust sand-control screen to complete a high-volume gas well.
- Safely conduct all installation procedures while incurring zero equipment failures or nonproductive time (NPT).

Our Approach

- Weatherford completion specialists met with the customer to discuss plans for completing a gas well. After their review, the specialists recommended a 10,000-psi, V0-rated premium liner-hanger system to install the liner. They also advised installing Maxflo screens to provide optimal sand control.
- The completion team conducted an operational review with full risk analysis and detailed contingency planning, then deployed to the wellsite.
- The team installed a 4 1/2-in. S13Cr screen and liner hanger system using a SwageSet tieback polished bore receptacle (PBR), a SwageSet liner-top packer, and premium hydraulic-set static liner hanger (WPHS). In addition, the team installed Maxflo S13Cr premium metal mesh screens.
- The liner and completion were tested as per plan, without incident.

Value to Customer

- The SwageSet V0-rated liner system provided reliable, gas-tight integrity for the liner tieback, and the Maxflo screen delivered reliable sand control.
- All operations were conducted safely, with zero equipment failures or NPT.
- The installations required only one Weatherford completion engineer per shift, helping to minimize personnel on board for a savings of more than \$40,000.

LOCATION

Saudi Arabia

WELL TYPE

Onshore gas producer

CASING SIZE AND TYPE

7 in., 32 lb/ft, TN95HS TSH 3SB

LINER SIZE AND TYPE

4.5 in., 13.5 lb/ft, S13Cr

DEPTH

15,574 ft (5,052 m) MD

15,240 ft (4,645 m) TVD

PRODUCTS/SERVICES

- Premium liner-hanger system
 - SwageSet tieback polished bore receptacle (PBR)
 - SwageSet liner-top packer
 - Premium hydraulic-set static liner hanger (WPHS)
- Maxflo standalone sand-control screen

