

Weatherford®

REAL RESULTS

First Use of ESS® Technology for Gas Storage in Multi-Well Project Achieves High-Rate, Sand-Free Production in California

Objectives

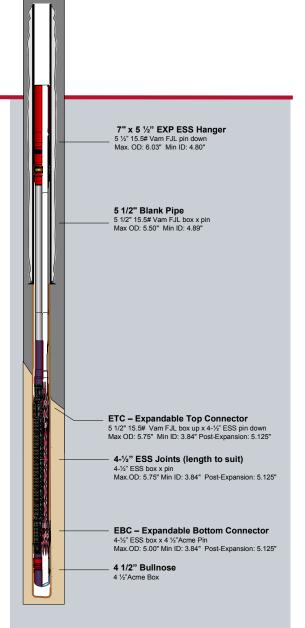
- Provide innovative, reliable sand-control technology to enable the operator to cycle gas injection and withdraw at higher rates than conventional sand-control techniques allow.
- Improve operational efficiency and reduce the risk associated with drilling and underreaming for traditional openhole gravel packs.

Results

- A compliantly expanded 4 1/2-in.(approximately 5 1/8-in. ID after expansion) ESS expandable sand screen system was employed to provide sand control, increase flow area, and minimize skin, reducing pressure drop across the completion equipment.
- The ESS system successfully avoided the operational complexity of open-hole gravel-packing and achieved high-rate, sand-free production with minimal completion skin.

Value to Client

- By using the ESS system the need for costly rig underreaming operations was eliminated, providing the client with additional time and rig-cost savings.
- The ESS system successfully completed multiple injection and withdrawal cycles with no sand production and withdrawal rates up to 35 million scf/d.



Location

Southern California, USA

Well Type

Onshore gas storage/re-entry sidetrack

Hole Size/Angle

6 1/8-in., 29°, openhole

Depth

7,650 ft (2,332 m)

Hole Length

253 ft (77 m)

Products/Services

ESS expandable sand screen system

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