

# Single-Run Completion, Cementing System

## Delivers Efficiency and Reliability in Challenging Horizontal Middle East Well



Mechanical-set TerraForm CSI packers provide discreet zonal isolation in the ICD lower completion application.

### Objectives

- Complete a complex well with approximately 7,080 ft (2,157 m) of an openhole horizontal section.
- Deploy an integrated completion system combining inflow control device (ICD) screens, mechanical openhole packers, liner hanger, stage tool, hydraulic openhole packers, and landing collar for off-bottom cementing.
- Execute a five-stage operation to optimize well performance.

### Our Approach

- Weatherford reviewed well data and customer objectives and designed and engineered an integrated single-run solution that combined the lower completion system (ICD screens and mechanical packers) with the off-bottom cementing kit (liner hanger, stage tool, hydraulic packers, landing collar) for safe deployment through 7,080 ft (2,157 m) of openhole while maintaining integrity and efficiency.
- Conducted extensive planning and surface integration checks to validate tool compatibility across the long openhole section, minimized operational risks, and confirmed readiness for multi-stage tasks, including hanger and packer setting, cement placement, and drift confirmation.

**LOCATION**  
Middle East

**WELL TYPE**  
Oil producers

**FORMATION**  
Sandstone

**HOLE SIZE AND ANGLE**  
6-1/8 in., 90°

**CASING SIZE**  
7 in.

**MEASURED DEPTH**  
13,926 ft (4,244 m)

#### PRODUCTS/SERVICES

- TerraForm® CSI mechanical packer
- Opti-bore SD packer
- WC-Series tandem-cone hydraulic-set (WCTH) liner hanger
- WPBR polished-bore receptacle stage tool
- ZoneSelect® pressure sub (dual seat)
- Ultra-Grip™ passive ICD screens (350 micron)
- Stinger pack-off



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### Our Approach

- Verified each tool's integrity and functionality on location prior to deployment, ensuring full readiness for downhole operations.
- Collaborated closely with third-party providers to integrate cementing, milling, and shifting activities, enabling reliable system installation and positioning the well for long-term production success.

### Value to Customer

- **Optimized efficiency:** Combined the lower completion and off-bottom cementing systems into a single bottomhole assembly (BHA), eliminating the need for two separate runs. This integration saved approximately one full day of rig time and streamlined operations to total depth (TD).
- **Single-provider advantage:** Delivering a complete system minimized personnel on board, reduced operational risks, and avoided complications typically associated with mixing multiple providers.
- **Trusted technology:** Leveraging field-proven openhole isolation packers, with an excellent run history in the operator's wells, reinforced reliability and strengthened operator confidence.

