



# Weatherford®

## REAL RESULTS

### **BULLDOG™ Inflatable Packer Completes Washed-Out, Open Salt Hole in Adverse Weather, Maintains Storage Cavity Integrity**

#### Objectives

- Deliver a cementing solution to secure the casing string following the repeated failure of conventional technology to satisfy the operational objectives.
- Cement in a casing string in a severely washed-out open hole.
- Perform all operations without compromising the integrity of the storage cavity.
- Satisfy operator requirements in difficult weather conditions.

#### Results

- Weatherford used its field-proven 9 5/8-in. *BULLDOG* inflatable packer and a 9 5/8-in. Model 761 mechanical port collar.
- With the packer inflation in the washed-out, openhole environment, the operator provided a cementing platform for the casing annulus above the packer. The multiopen-and-multiclose mechanical port cementing collar provided the required communication path for cementing the annulus to surface.
- The port collar was closed, giving the casing string the required pressure integrity.
- Despite extremely cold and adverse weather conditions, all operational requirements were met.

#### Value to Client

- Weatherford's inflatable packer and cementing collar equipment enabled the operator to cement and pressure-test the 9 5/8-in. combination, completing the well for gas-storage operations in the future.
- The operator completed the job successfully despite adverse weather conditions, saving valuable rig time and associated costs and extending the life of the well.



Weatherford's cementing products and expertise enabled the operator to complete the extremely washed-out, open salt hole, using an inflatable packer and cementing collar, enabling future gas-storage operations.

#### **Location**

Cheshire, England

#### **Formation**

Salt cavity

#### **Well Type**

Gas-storage cavity

#### **Hole**

15-in., open hole

#### **Casing String**

10 3/4-in. × 9 5/8-in. casing string

#### **Products/Services**

- 9 5/8-in. *BULLDOG* inflatable packer
- 9 5/8-in. Model 761 mechanical port collar

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