



# Weatherford®

## REAL RESULTS

### Tubing Packoffs with Gas-Lift Valves Restore Dead Well to Produce 1,000 bopd per String, Recover Investment in 1 Day

#### Objectives

- Identify an economically viable method of artificial lift to restore gas production in a dead well with a dual completion.
- Install multiple gas-lift points into the existing well without recovering the current completion.
- Maximize production from both strings using gas lift under stable conditions while optimizing the production rate and minimizing gas injection rate.

#### Results

- Weatherford provided a system consisting of McMurry-Macco® tubing packoff and gas-lift valves to kick off and flow the well.
- The tubing was punched to allow the gas to pass from the annulus, through the gas-lift valve, and into the production tubing, creating a gas-lift completion.
- Two tubing packoffs—with gas-lift valve in the upper tubing pack off and orifice in the lower pack off—were installed in each tubing string using standard slickline intervention equipment and techniques.
- This was the first time tubing packoff technology was implemented for dual gas lift in Middle East region.

#### Value to Client

- Using the Weatherford McMurry-Macco tubing packoffs with gas-lift valves enabled the client to immediately restore production in the well that had been dead for 6 years. The dual completion well now produces approximately 1,000 bopd from each string under normal conditions.
- Using standard slickline intervention allowed the client to avoid the cost of a workover to retrieve the completion and run gas lift mandrels.
- Just 1 day of restored production recovered the entire cost of the job.

The Weatherford McMurry-Macco tubing packoff is a wireline-retrievable tool used to isolate and control communication between the tubing and the annulus. A primary application is to install tubing-retrievable gas-lift valves in wells in which a gas-lift system was not originally installed.

#### Location

Abu Dhabi, United Arab Emirates

#### Number of wells

1 well - dual completion

#### Well Type

Oil producer

#### Intervention Type

Slickline

#### Casing Outside Diameter

9-5/8 in.

#### Tubing Inside Diameter

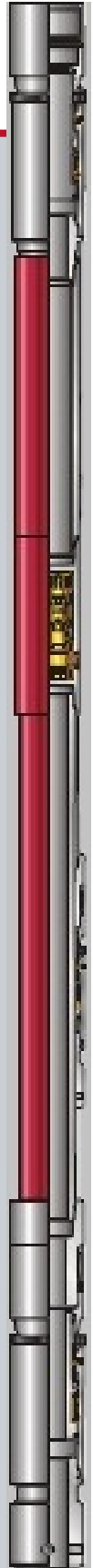
- 3.5 in. long string
- 2-7/8 in. short string

#### Depth

- 2,500 ft (762 m) upper tubing packing assembly
- 4,000 ft (1219 m) lower tubing packing assembly

#### Products/Services

- Artificial-lift services
- Gas-lift valves
- McMurry-Macco tubing packoffs



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