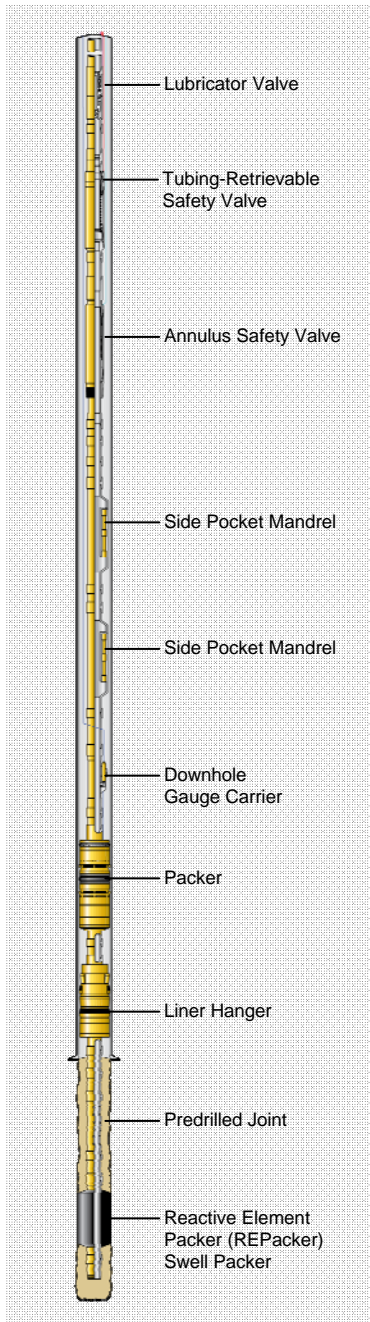


# REPacker™ Open-Hole Packer System

## Case History - Aberdeen



REPacker™ Open-Hole Packer System

**First deployment of Baker Oil Tools REPacker yields rig time savings.**

### Project Details

**Location:** offshore Aberdeen

**Setting Depth:** 8,658 ft (2639 m) at 74 degrees

**Total Vertical Depth:** 10,636 ft (3242 m)

**Open-Hole ID:** 8-1/2 in.

**Mud Weight:** 9.4 ppg

**REPackers:** 5-1/2 in. x 7.75 in.; water-reactive element (if applicable)

**Other Baker Oil Tools Equipment:** UniFlex™ Liner Hanger and Crossover

### Challenge

To provide future annular isolation in a horizontal well after water cut, reduce costs and increase hydrocarbon production. The isolation packer was run in conjunction with an uncemented liner across the reservoir.

### Solution

- A Baker Oil Tools Reactive Element Packer (REPacker™) Open-Hole Packer System was selected to provide zonal isolation. REPacker is the world's first open-hole zonal isolation packer using dual-element construction, consisting of water-reactive and hydrocarbon-reactive elements
- Previous engineering testing on the REPacker suggested time required to swell to 8.5-in. OD was four days and nine days for hydrocarbon- and water-reactive sections, respectively
- REPacker System was run in hole with 5-1/2-in. tubing, 7-in. x 5-1/2-in. crossover, and 9-5/8-in. x 7-in. UniFlex Liner Hanger
- Reached setting depth in approximately 25-1/2 hours
- A ball was dropped to apply pressure to the Uniflex Liner Hanger
- Pressure in the workstring was increased to set the hanger inside the 9-5/8-in. casing
- Weight was applied to the top of the liner packer and the annulus was pressure-tested to 4,000 psi to ensure that the liner packer was set. After confirmation, the ball seat was blown and the workstring retrieved

### Results

- This was the first deployment globally of the Baker Oil Tools REPacker system
- Baker Oil Tools met the operator's needs for zonal isolation and increased hydrocarbon production
- Two days' rig time was saved by avoiding the use of an inner string, which is required for alternative packers