

Case History

REPacker™ Provide Annular Isolation in the North Sea

Problem

The operator needed zonal isolation equipment for an injection well to provide annular isolation in a gravel pack completion. The target well is critical for pressure support for further production on the field.

Solution

- The operator selected Baker Oil Tools REPackers to provide the zonal isolation
- As the swelling time, element OD and element length were critical design criteria for this completion, REPackers were deemed the best fit
- Two 5-1/2-in. x 7.75-in. OD REPackers were run in hole with 5-1/2-in. tubing in a gravel pack completion application
- The upper REPacker was set inside 9-5/8-in. casing to prevent water out of the 9-5/8-in. shoe
- The bottom REPacker provided zonal isolation

Results

- This first run of REPackers in Norway achieved the operator's goal for efficiency and effectiveness
- Both REPackers were successfully run to setting depth after 18 hours
- The well was then gravel packed after another 30 hours
- The well is now injecting and there are no signs of failure on the REPackers. The well is set on injection and both REPackers serve their purpose

Project Details

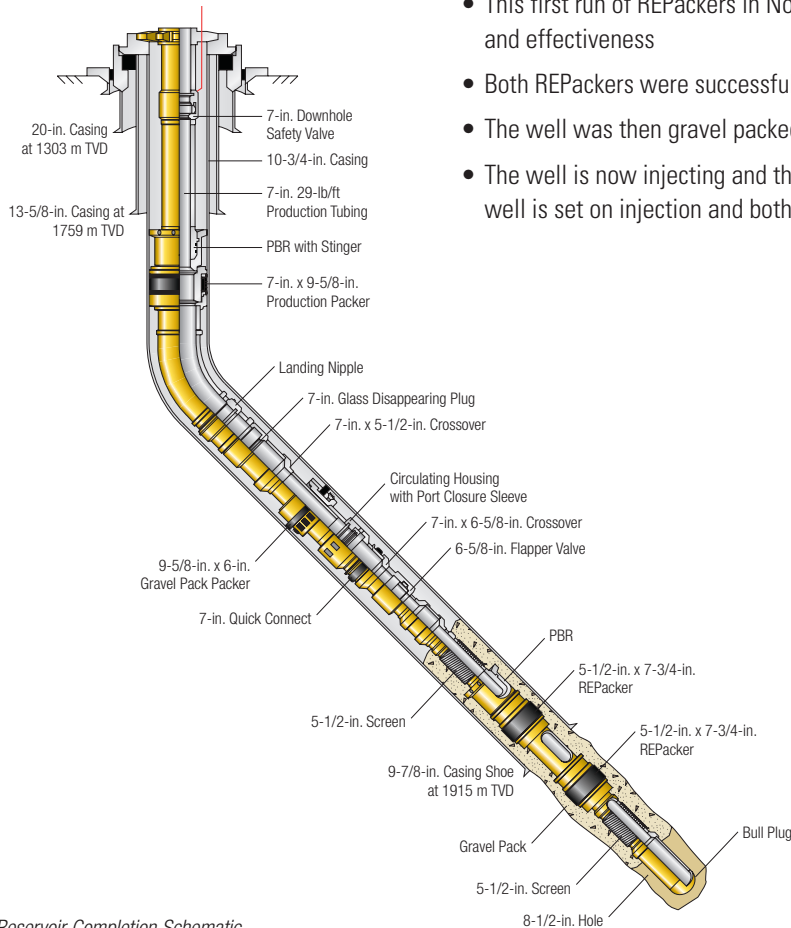
Location: Offshore Norway

Setting Depth: 6,677 ft (2035 m) 11.1 degrees and 6,220 ft (1896 m) at 5.0 degrees

Open Hole ID: 8-1/2 in.

Mud Weight: 1.22 SG

REPackers: 5-1/2-in. x 7.75-in. water-reactive element (10-ft element)



Reservoir Completion Schematic